NACOmatic

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INSTRUMENT APPROACH PROCEDURE CHARTS

IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non precision approaches are 800-2 (NDB, VOR, LOC, TACAN, LDA, VORTAC, VOR/DME, ASR or WAAS LNAV); for precision approaches 600-2 (ILS or PAR). Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility or absence of weather reporting service. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

BABELTHUAP, KOROR, PS

BABELTHUAP/KOROR ..... **NDB Rwy 9[1]**
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27

NA except standard for operators with approved weather reporting service.
[1]Categories A,B, 900-2; Category C, 900-2¼; Category D, 900-2½.

DALAP, RM

MARSHALL ISLANDS INTL ..... **NDB Rwy 7[1]**
NDB Rwy 25[1]
RNAV (GPS) Rwy 7[2]
RNAV (GPS) Rwy 25[2]

[1]NA when Majuro Radio closed.
[2]NA when local weather not available.

GUAM, GQ

GUAM INTL ..... **ILS or LOC Rwy 6L[1]**
ILS or LOC Rwy 6R[1]
RNAV (GPS) Y Rwy 6R[2]
RNAV (GPS) Y Rwy 24L[4]
RNAV (GPS) Y Rwy 24R[3]
RNAV (RNP) Z Rwy 24L[4]
RNAV (RNP) Z Rwy 24R[4]
TACAN Rwy 24R[5]

[1]ILS,LOC, Categories A,B, 1200-2; Categories C,D, 1200-3.
[2]Category D, 800-2¼.
[3]Category C, 800-2¼; Catagory D, 800-2½.
[4]Categories A, B, C, D, 900-3.
[5]Categories A, B, 900-2; Category C, 900-2¾; Category D, 900-3.

HILO, HI

HILO INTL ..... **ILS or LOC Rwy 26**

ILS, Category D, 700-2.
NA when control tower closed.

NAME ALTERNATE MINIMUMS

HONOLULU, HI

HONOLULU INTL ..... **ILS Rwy 4R[1]**
LDA/DME Rwy 26L[1]
LOC Rwy 8L[2]
RNAV (GPS) Y Rwy 4R[3]
RNAV (GPS) Y Rwy 8L[4]
VOR/DME or TACAN or GPS-B[5]
VOR or TACAN or GPS-A[1]
VOR or TACAN Rwy 4R[6]

[1]Category E, 1500-3.
[2]Category D, 900-2½.
[3]Category D, 900-2½; Category E, 1500-3.
[4]Category D, 900-2½; Category E, 1700-3.
[5]Category E, 900-3.
[6]Category D, 800-2½.

KAHULUI, HI

KAHULUI ..... **ILS or LOC Rwy 2[1]**
LOC/DME BC Rwy 20[23]
NDB/DME Rwy 2[2]
RNAV (GPS) Rwy 23[4]
VOR/DME or TACAN Rwy 20[5]

[1]ILS, LOC, Categories A, B 1500-2; Categories C, D, E, 1500-3.
[2]NA when control tower closed.
[3]Category E, 1400-3.
[4]NA when local weather not available.
[5]NA when control tower closed, except for operators with approved weather reporting service.

KAILUA-KONA, HI

KONA INTL AT
KEAHOLE ..... **ILS or LOC/DME Rwy 17**

NA when control tower closed.

KAMUELA, HI

WAIMEA-KOHALA ..... **VOR/DME-A**
VOR/DME Rwy 4[1]

Categories A,B, 1100-2, Category C, 1100-3, Category D, 1300-3.
[1]Categories A,B, 900-2, Category C, 900-2½, Category D, 1300-3.

23 SEP 2010 to 18 NOV 2010

23 SEP 2010 to 18 NOV 2010

NAME ALTERNATE MINIMUMS

KAPOLEI, OAHU ISLAND, HI

KALAELOA (JOHN RODGERS FIELD) .... **NDB Rwy 4R**
Category C, 800-2¼; Category D, 800-2½.

KAUNAKAKAI, HI

MOLOKAI ..... **VOR or TACAN or GPS-A**
Categories A,B, 1200-2; Categories C,D, 1200-3.

KOSRAE, FM

KOSRAE ..... **NDB/DME-A[1,2]**
RNAV (GPS) Rwy 5[3]
RNAV (GPS) Rwy 23[4]

[1]NA when NDB (UKS) not monitored or local weather not available. Both NDB (UKS) monitored and local weather available Monday through Saturday from 2100 UTC to 0500 UTC (0800 local to 1600 local).
[2]800-3.
[3]NA except standard for operators with approved weather reporting service.
[4]NA except categories A,B, standard, Category C, 800-2¼, Category D 800-2½, for operators with approved weather reporting service.

LANAI CITY, HI

LANAI ..... **VOR or TACAN or GPS-A**
NA when local weather not received except for operators with approved weather reporting service.

LIHUE, HI

LIHUE ..... **ILS or LOC Rwy 35[1]**
RNAV (GPS) Rwy 17[2]
RNAV (GPS) Y Rwy 21[2]
RNAV (GPS) Y Rwy 35[3]

[1]ILS,LOC,NA when control tower closed; LOC,Category E, NA.
[2]Category B, 900-2; Category C, 1000-2¾; Category D, 1000-3.
[3]Category C, 800-2¼; Category D, 800-2½.

MIDWAY ATOLL, MQ

HENDERSON FIELD ..... **NDB Rwy 6**
NDB Rwy 24
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24
NA except standard for operators with approved weather reporting service.

NAME ALTERNATE MINIMUMS

POHNPEI ISLAND, FM

POHNPEI INTL ..... **NDB or GPS-B[1]**
NDB or GPS-C[1]
NDB/DME or GPS-A[1]
NDB/DME Rwy 9, 800-3
RNAV (GPS) Rwy 9[2]
RNAV (GPS) Rwy 27[1]
NA when local weather not available.
[1]Category D, 800-2¼.
[2]Categories A,B, 1000-2¼; Category C, 1000-2¾; Category D, 1000-3.

SAIPAN, CQ

FRANCISCO C. ADA/
SAIPAN INTL ..... **GPS Rwy 7**
GPS Rwy 25
NA except standard for operators with approved weather reporting service.

ROTA INTL ..... **GPS Rwy 9[1]**
GPS Rwy 27[1]
NDB Rwy 9[2,3]
NDB Rwy 27[2,3]

[1]NA except standard for operators with approved weather reporting service.
[2]NA when terminal weather not available 0900 UTC to 2000 UTC except for operators with approved weather reporting service. Terminal weather available on Rota Radio 123.6 from 2000 UTC to 0900 UTC.
[3]Category D, 800-2¼.

TINIAN ISLAND, CQ

TINIAN INTL ..... **NDB-A[1,2]**
RNAV (GPS) Rwy 8[3,4]
RNAV (GPS) Rwy 26[3,4]

[1]Category C, 800-2¼; Category D, 800-2½.
[2]NA when local weather not available except for operators with approved weather reporting service.
[3]Category D, 800-2¼.
[4]NA when local weather not available.

TUTUILA, AQ

PAGO PAGO INTL ..... **NDB-C[1]**
VOR-D[2]

[1]Category D, 800-2¼.
[2]Categories A, B, 1200-2; Categories C, D, 1200-3.

NAME ALTERNATE MINIMUMS

WENO ISLAND, FM

CHUUK INTL ..... **NDB/DME Rwy 4[1]**
NDB or GPS-A[1]
NDB or GPS-B[1]
RNAV (GPS) Rwy 4[2]

[1]800-3.
[2]NA except standard for operators with approved weather reporting service.

YAP ISLAND, FM

YAP INTL ..... **NDB Rwy 25[1]**
NDB/DME Rwy 25[2]

[1]Categories A,B, 900-2; Category C, 900-2¾; Category D, 900-3.
[2]Categories A,B, 900-2; Category C, 900-2½; Category D, 900-2¾ .

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude , and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

NAME TAKE-OFF MINIMUMS

BABELTHUAP, KOROR, PS

BABELTHUAP/KOROR (ROR)
AMDT 1 09015 (FAA)
TAKE-OFF MINIMUMS: **Rwy 27**, 400-1 or std. with a min. climb of 296' per NM to 500.
DEPARTURE PROCEDURE: **Rwy 9**, climb runway heading to 700 then as cleared.

DALAP, RM

MARSHALL ISLANDS INTL (MAJ)
ORIG 10098 (FAA)
NOTE: **Rwy 7,** antenna on building 215' from DER, 446' left of centerline, 48' AGL/54' MSL. Obstruction light on AMOM 44' from DER, 269' left of centerline, 33' AGL/39' MSL. Obstruction light on WSK 10' from DER, 245' right of centerline, 23' AGL/29' MSL. Tree 934' from DER, 243' left of centerline, 39' AGL/45' MSL. Bush 555' from DER, 187' right of centerline, 17' AGL/23' MSL. **Rwy 25,** obstruction light on WSK 11' from DER, 246' left of centerline, 23' AGL/29' MSL. Post 51' from DER, 252' right of centerline, 8' AGL/14' MSL. Tree 996' from DER, 39' left of centerline, 31' AGL/37' MSL. Tree 563' from DER, 5' right of centerline, 20' AGL/26' MSL. Bushes beginning 207' from DER, from 124' left to 207' right of centerline, up to 14' AGL/20' MSL. Vehicle on roadway 130' from DER, 241' right of centerline, 15' AGL/20' MSL.

NAME TAKE-OFF MINIMUMS

GUAM, GQ

GUAM INTL (GUM)
ORIG -A 09071 (FAA)
TAKE-OFF MINIMUMS: **Rwys 6L, 6R,** 500-1 or std. with a min. climb 360' per NM to 800. **Rwys 24L,24R,** 500-1 or std. with a min. climb of 300' per NM to 1400.
DEPARTURE PROCEDURE: **Rwys 6L, 6R,** climb runway heading to 800 before turning. **Rwys 24L, 24R** climb runway heading to 1400 before turning.

HANA, HI

HANA (HNM)
ORIG 05244 (FAA)
DEPARTURE PROCEDURE: Use LINDBERG DEPARTURE.

HILO, HI

HILO INTL (ITO)
AMDT 6 05356 (FAA)
DEPARTURE PROCEDURE: Use PARIS DEPARTURE.

HONOLULU, HI

HONOLULU INTL (HNL)
AMDT 7 85269 (FAA)
DEPARTURE PROCEDURE: use HONOLULU DEPARTURE.

KAHULUI, HI

KAHULUI (OGG)
AMDT 6 09015 (FAA)

TAKE-OFF MINIMUMS: **Rwy 23,** NA-ATC.

DEPARTURE PROCEDURE: **Rwy 2,** climb on a heading between 310° CW to 053° from departure end of runway. **Rwy 5,** climb on a heading betwen 307° CW to 040° from departure end of runway. **Rwy 20,** climb on a heading of 185° from departure end of runway.

NOTE: **Rwy 2,** bush/trees beginning 190' from departure end of runway, 362' left of centerline, up to 60' AGL/79' MSL. Pipe on building 339' from departure end of runway, 289' right of centerline, 20' AGL/25' MSL. Bush beginning 902' from departure end of runway, 637' right of centerline, up to 20' AGL/39' MSL. **Rwy 5,** trees 2359' from departure end of runway, 512' left of centerline, 56' AGL/75' MSL. Fence beginning 20' from departure end of runway, 299' right of centerline, up to 7' AGL/31' MSL. Bush/trees beginning 291' from departure end of runway, 300' right of centerline, up to 76' AGL/95' MSL. **Rwy 20,** bush 22' from departure end of runway, 236' right of centerline, 2' AGL/55' MSL. Bush/trees beginning 24' from departure end of runway, 173' left of centerline, up to 29' AGL/68' MSL.

KAILUA-KONA, HI

KONA INTL AT KEAHOLE

DEPARTURE PROCEDURE: **Rwy 17**, northwest-bound climb runway heading to 500 then climbing right turn to assigned route; eastbound climb runway heading to 500 them climbing right turn, heading 360°, to 2000, then climb via V3. **Rwy 35**, northwestbound climb runway heading to 500 then climbing left turn to assigned route; eastbound climb runway heading to 2000 then climb via V3.

KAMUELA, HI

WAIMEA-KOHALA (MUE)
AMDT 1 05076 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4,** 400-2 or std. with a min. climb of 240' per NM to 3100.

DEPARTURE PROCEDURE: **Rwy 4,** climb via heading 041° to 3100 then climbing right turn via heading 080° and MUE VOR/DME R-057 to 6000 to VELLA INT, then as assigned. **Rwy 22,** climb via heading 233° and MUE VOR/DME R-234 to 5000 to JASON INT, then as assigned.

NOTE: **Rwy 4,** windsock 158' from departure end of runway, 299' right of centerline, 25' AGL/2702' MSL. Fence 2754' from departure end of runway, 323' right of centerline, 12' AGL/2741' MSL. Tree 5200' from departure end of runway, 179' right of centerline, 50' AGL/2817' MSL. Tree 5331' from departure end of runway, 110' left of centerline, 50' AGL/2829' MSL. Tree 1.3 NM from departure end of runway, 739' right of centerline, 50' AGL/2864' MSL. Tree 1.3 NM from departure end of runway, 1741' left of centerline, 50' AGL/2889' MSL. Antenna 1.8 NM from departure end of runway, 1094' left of centerline 152' AGL/2992' MSL. Rising terrain beginning 1.5 NM from departure end of runway, 3.9 NM left of centerline, up to 13796' MSL. **Rwy 22,** cactus at departure end of runway, 191' left of centerline, 10' AGL/2668' MSL. Tree at departure end of runway, 353' right of centerline, 50' AGL/2687' MSL. Bush 673' from departure end of runway, 186' left of centerline, 30' AGL/2673' MSL. Pole 1058' from departure end of runway, 124' left of centerline, 20' AGL/2683' MSL. Rapidly rising terrain beginning 1.5 NM from departure end of runway, 4209' left of centerline, up to 5513' MSL.

KAPOLEI, OAHU ISLAND, HI

KALAELOA (JOHN RODGERS FIELD) (JRF)
ORIG 09295 (FAA)

DEPARTURE PROCEDURE: DME Required. **Rwys 4L, 4R, 11,** climb heading 200° to intercept HNL VORTAC R-241 to GECKO/HNL 22.4 DME before proceeding on course. **Rwys 22L, 22R,** climb heading 224° to intercept HNL VORTAC R-241 to GECKO/HNL 22.4 DME before proceeding on course. **Rwy 29,** climb heading 210° to intercept HNL VORTAC R-241 to GECKO/HNL 22.4 DME before proceeding on course.

NOTE: **Rwy 11,** tree 1533' from DER, 831' left of centerline, 60' AGL/70' MSL. **Rwy 22L,** vehicles on road 305' from DER, 195' left of centerline, 15' AGL/26' MSL. **Rwy 29,** tree 1794' from DER, 573' left of centerline, 60' AGL/99' MSL.

KAUNAKAKAI, HI

MOLOKAI (MKK)

AMDT 5 05300 (FAA)

TAKE-OFF MINIMUMS: **Rwy 5,** std. with a min. climb of 395' per NM to 1600 or 1900-2½ for climb in visual conditions. **Rwy 23,** std. with a min. climb of 446' per NM to 1600 or 1900-2½ for climb in visual conditions. **Rwy 35,** 200-1 or std. with a min. climb of 441' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 5,** climb via heading 040° to 1500 then climbing left turn direct MKK VORTAC, or climb in visual conditions to cross Molokai Airport southwestbound at or above 1800 via the MKK R-067 to MKK VORTAC, thence...

Rwy 17, climb via heading 169° to 1500 then climbing right turn direct MKK VORTAC, thence...

Rwy 23, climbing left turn via heading 170° to 1700 then climbing right turn direct MKK VORTAC or climb in visual conditions to cross Molokai Airport southwestbound at or above 1800 via the MKK R-067 to MKK VORTAC, thence...

Rwy 35, climb via heading 349° to 1500 then climbing left turn direct MKK VORTAC, thence...

...climb in MKK VORTAC holding pattern (hold NE, right turn, 236° inbound) to cross MKK at or above MCA/MEA for route of flight.

NOTE: **Rwy 5,** pole 2254' from departure end of runway, 222' right of centerline, 45' AGL/565' MSL, tree 1.12 NM from departure end of runway, 720' right of centerline, 50' AGL/675' MSL. Fenceline beginning 147' from departure end of runway, 177' left of centerline, up to 12' AGL/471' MSL. Multiple trees and bushes beginning 50' from departure end of runway, 273' left of centerline, up to 50' AGL/551' MSL. Obstruction light 1366' from departure end of runway, 79' right of centerline, 30'AGL/528' MSL. Multiple poles beginning3065' from departure end of runway, 644' left of centerline, up to 45' AGL/623' MSL. Multiple trees beginning 4155' from departure end of runway, 184' right of centerline, up to 50' AGL/714' MSL. **Rwy 23,** tree 2.44 NM from departure end of runway, 747' right of centerline, 100' AGL/1264' MSL. Tree 2.82 NM from departure end of runway, 1753' right of centerline, 60' AGL/819' MSL. Tree 2.73 NM from departure end of runway, 2001' left of centerline, 60' AGL/919' MSL. Tree 2.03 NM from departure end of runway, 2006' left of centerline, 100' AGL/919' MSL. Pole 8021' from departure end of runway, 867' left of centerline, 42' AGL/642' MSL. **Rwy 35,** tree 2990' from departure end of runway, 1030' right of centerline, 50' AGL/648' MSL. Tree 3033' from departure end of runway, 740' right of centerline, 50' AGL/637' MSL. Tree 2497' from departure end of runway, 1106' right of centerline, 50' AGL/615' MSL. Tree 3835' from departure end of runway, 76' right of centerline, 50' AGL/620' MSL. Tree 3041' from departure end of runway, 728' right of centerline, 50' AGL/600' MSL. Tree 3569' from departure end of runway, 116' right of centerline, 50' AGL/596' MSL. Bush 28' from departure end of runway, 289' left of centerline, 15' AGL/461' MSL. Multiple bushes and trees 48' from departure end of runway, 48' right of centerline, up to 200' AGL/648' MSL. Multiple bushes and trees 28' from departure end of runway, 34' left of centerline up to 41' AGL/489' MSL. Multiple bushes beginning 107' from departure end of runway, 133' right of centerline, up to 15' AGL/492' MSL. Multiple bushes beginning 133' from departure end of runway, 43' left of centerline, up to 15' AGL/517' MSL. Road/vehicle 200' from departure end of runway, 62' right of centerline, 15' AGL/487' MSL. Pole 1.32 NM from departure end of runway, 867' left of centerline, 42' AGL/642' MSL.

KOSRAE, FM

KOSRAE (TTK)

ORIG-A 09071 (FAA)

CAUTION: Ships with masts to 200' traverse harbor entrance located on west side of runway.

DEPARTURE PROCEDURE: **Rwy 5**, left turn. **Rwy 23,** right turn, climb to 2000 or above before turning east.

LANAI CITY, HI

LANAI (LNY)

AMDT 5 09239(FAA)

TAKE-OFF MINIMUMS: **Rwy 3**, 400-1 or std. w/ min. climb of 370' per NM to 2700 or 2500-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 033° to 1720 before turning left. Climb heading 300° or 180° to intercept route or airway, then continue as cleared. Maintain maximum 210 kts until turn is completed or for climb in visual conditions cross LNY VORTAC eastbound at or above 3700. **Rwy 21,** climb heading 213° to assigned altitude. Eastbound - climb westbound to cross LNY VORTAC eastbound at or above 2700 and climb as cleared. Westbound - climb direct LNY VORTAC then via assigned route.

NOTE: **Rwy 3,** multiple poles, trees, and terrain beginning 2108' from DER, 1011' left of centerline, up to 200' AGL/2202' MSL. **Rwy 21,** lighted windsock 8' from DER, 191' right of centerline, 30' AGL/1323' MSL.

LIHUE, HI

LIHUE (LIH)

AMDT 8 00279 (FAA)

TAKE-OFF MINIMUMS: **Rwy 21**, 2400-3. Use DIANE DEPARTURE PROCEDURE.

DEPARTURE PROCEDURE: **Rwys 3**, **35,** to V15, climb runway heading to 500 then climbing right turn, heading 125°, then as assigned. **Rwy 17,** to V15, climb runway heading to 500 then climbing left turn, heading 045°, then as assigned. To LIH-150 climb runway heading to 500 then climbing left turn, heading 120°, then as assigned. **Rwy 21**, to V15, climb runway heading to 550 then climbing left turn, heading 090°, to intercept LIH R-110, maintain 5000, direct BOOKE INT or as assigned. To LIH-148, climb runway heading to 550, then climbing left turn, heading 120°, to intercept LIH R-148, maintain 3000, direct NAPUA INT or as assigned.

POHNPEI ISLAND, FM

POHNPEI INTL (PNI)

AMDT 2 80079 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 27**, 400-1½.

DEPARTURE PROCEDURE: **Rwy 9**, climb runway heading to 500 then left turn for north or west departure. **Rwy 27**, climb runway heading to 500 then right turn for north or east departure. Climb runway heading to 1500 before turning for south departure.

CAUTION: Ships with superstructure to 150', traverse Ponape channel, 400' off approach end of Rwy 9, closing airport at times.

SAIPAN, CQ

FRANCISCO C. ADA/SAIPAN INTL (GSN)
ORIG-A 09071 (FAA)

DEPARTURE PROCEDURE: **Rwys 7, 25**, climb on runway heading to 1600 before climbing on course.

ROTA INTL (GRO)
AMDT 1A 09071 (FAA)

DEPARTURE PROCEDURE: **Rwy 9**, climb runway heading to 1000 before turning. **Rwy 27**, climb runway heading to 2000 or above before turning south.

TINIAN ISLAND, CQ

TINIAN INTL (TNI)
AMDT 1 09239 (FAA)

NOTE: **Rwy 8,** trees beginning 694' from DER, 507' left of centerline, up to 100' AGL/363' MSL. Multiple trees beginning 569' from DER, 471' right of centerline, up to 100' AGL/389' MSL. **Rwy 26,** multiple trees beginning 743' from DER, 508' right of centerline, up to 100' AGL/363' MSL.

TUTUILA, AQ

PAGO PAGO INTL (PPG)
ORIG-A 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwy 23**, std. w/ min. climb of 320' per NM to 800, or 2700-3 for climb in visual conditions. **Rwy 26,** NA-obstacles.

DEPARTURE PROCEDURE: **Rwys 5, 8,** climbing right turn southbound between TUT R-090 clockwise to R-180 to 2800, then proceed on course. **Rwy 23,** climbing left turn heading 150° southbound between TUT R-090 clockwise to R-180 to 2800, then proceed on course. For climb in visual conditions: cross Pago Pago Intl Airport at or above 2600 before proceeding on course.

NOTE: **Rwy 5,** bush 1' from departure end of runway, 237' right of centerline, 3' AGL/12' MSL. Bush 379' from departure end of runway, 362' left of centerline, 14' AGL/23' MSL. Ship 998' from departure end of runway, 57' right of centerline, 150' AGL/150' MSL. **Rwy 8,** bush 689' from departure end of runway, 360' left of centelrine, 15' AGL/23' MSL. Ship 1435' from departure end of runway, 304' left of centerline, 150' AGL/150' MSL. **Rwy 23,** multiple trees beginning 352' from departure end of runway, 173' left of centerline, up to 20' AGL/132' MSL. Multiple trees beginning 881' from departure end of runway, 296' right of centerline, up to 20' AGL/172' MSL. Multiple trees and poles beginning 1.6 NM from departure end of runway, 38' right of centerline, up to 367' AGL/554' MSL. Tree 2.3 NM from departure end of runway, 2126' left of centerline, 20' AGL/387' MSL.

WENO ISLAND, FM

CHUUK INTL (TKK)
AMDT 2 10042(FAA)

DEPARTURE PROCEDURE: **Rwy 4**, climb heading 041° to 1100 before proceeding on course. **Rwy 22**, climb heading 221° to 1500 before proceeding on course.

NOTE: **Rwy 4,** bush 205' from DER, 203' right of centerline, 7' AGL/17' MSL. **Rwy 22,** bush 5' from DER, 241' right of centerline, 14' AGL/24' MSL. Bush 221' from DER, 85' right of centerline, 7' AGL/17' MSL. **CAUTION:** Ships with superstructure to 150' traverse channels west of runway 4/22.

YAP ISLAND, FM

YAP INTL (T11)
AMDT 2 94342 (FAA)

DEPARTURE PROCEDURE: **Rwys 7,** climbing right turn to 1500 via 090° bearing from YP NDB/DME, then climb on course. **Rwy 25,** climb to 500, then climb on course.

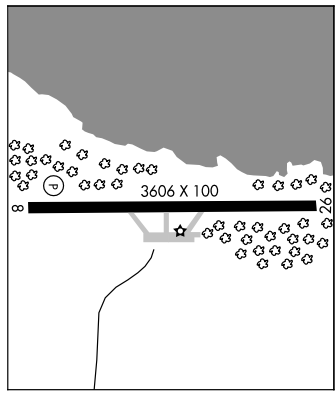
MAUI

§ **HANA** (HNM)(PHHN) 3 NW UTC−10 N20°47.74′ W156°00.87′ **HAWAIIAN–MARIANA**

78 B TPA—See Remarks NOTAM FILE HNM **2–G**

RWY 08–26: H3606X100 (ASPH) S–34, D–48, 2D–80 MIRL

RWY 08: PAPI(P2L)—GA 2.75° TCH 17′. **RWY 26:** Rgt tfc.



AIRPORT REMARKS: Attended 1745–0230Z. Wild boars on and invof arpt. Arpt CLOSED to helicopters sunset–sunrise except PPR 808–872–3875. Helicopter pilot training maneuvers will be conducted at the approach end of Rwy 26 only. Ultralights on and invof arpt. 24 hrs PPR for Class A and B explosives and 4 hrs PPR for other hazardous cargo in/out of arpt ctc 808–248–4861 or 808–872–3880. Rwy 08–26 35′ trees along both sides of rwy 200′ from centerline. Helicopter parking on grass infield areas between ramp and runway. ACTIVATE MIRL (only high intensity avbl) Rwy 8–26—CTAF. Rwy 08 PAPI daylight ops only. Rwy 08 PAPI OTS indef. Traffic pattern altitudes small acft 800 (722) large acft 1500 (1422). NOTE: See Area Notices—TRAFFIC ADVISORIES AT NON–TOWER AIRPORTS.

WEATHER DATA SOURCES: AWOS–3—118.325 (808) 248–8471. AWOS visibility unreliable.

COMMUNICATIONS: CTAF 122.9

HANA RCO 122.3 (HONOLULU RADIO)

HONOLULU CONTROL FACILITY APP/DEP CON 126.0 278.3

CLNC DEL 122.3

RADIO AIDS TO NAVIGATION: NOTAM FILE OGG.

MAUI (H) VORTAC 115.1 OGG Chan 98 N20°54.39′ W156°25.26′ 095° 23.8 NM to fld. 30/11E.

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§ **KAHULUI** (OGG)(PHOG) 3 E UTC−10 N20°53.92′ W156°25.83′ **HAWAIIAN–MARIANA**

54 B S2 **FUEL** 100, JET A LRA Class I, ARFF Index D NOTAM FILE OGG **2–G**

RWY 02–20: H6995X150 (ASPH–GRVD) S–130, D–170, 2D–360, 2D/2D2–750 HIRL **IAP**

0.6% UP SW

RWY 02: MALSR. VASI(V4L)—GA 3.0° TCH 65′. Stack. Rgt tfc.

RWY 20: PAPI(P4L)—GA 3.0° TCH 76′. Building.

RWY 05–23: H4990X150 (ASPH–GRVD) S–130, D–170, 2D–270 MIRL

RWY 05: VASI(V4L)—GA 3.0° TCH 40′. Trees. **RWY 23:** Pole. Rgt tfc.

AIRPORT REMARKS: Attended continuously. ARFF available 24 hrs. 24 hrs PPR for Class A and B explosives and 4 hrs PPR for other hazardous cargo in/out of arpt; ctc 808–872–3830 1745–0230Z other times 808–872–3888. Lighted tower 570′ MSL approximately 3 miles west of airport. Migratory bird activity blo 1500′ within 5 NM radius of arpt during August–May. Twy G clsd to acft over 30,000 lbs. Acft above 80,000 lbs ldg Rwy 02 unable to turn off onto Rwy 05 due to Rwy 05 pavement condition. Due to nonvisibility twr unable to provide ATC svc between acft and ground vehicles on the commuter air terminal S of Taxiway F and the helicopter air terminal E of apch end Rwy 02. Due to nonvisibility twr unable to determine if following area is clear of obstructions and/or tfc: portion of Taxiway F between the commuter air terminal and apch end Rwy 05. Ramp area E side Rwy 02 under state authority. Transient parking located on northeast section of E ramp. FAA not responsible for direction and control gnd tfc in area. Area E of apch end Rwy 02 designated as helicopter operations area. No fixed wing acft may operate on helipad during operational hours SR–SS. PPR for fixed wing acft operations on helipad during nonoperational hours call 808–872–3880 1515–0800Z. Access to helipad from Twy C only. Military helicopter ops restricted to HAZMAT area N of Rwy 05–23. Commuter terminal ramp restricted to acft 140,000 lbs or less. Jet A fuel avbl 1700–0400Z, other times by prior arrangement with FBO 24 hrs, (808) 871–5572, or (808) 873–6060. 100 octane fuel avbl 24 hrs self–service. Rwy 05 VASI unusable byd 4 NM from thld due to rapidly rising terrain. Twy F clsd to left turns from Rwy 02 acft above 80,000 lbs. When twr unattended ACTIVATE MALSR Rwy 02, HIRL Rwy 02–20 and MIRL Rwy 05–23—CTAF. Flight Notification Service (ADCUS) available. NOTE: See General Notices—Entry and Departure Requirements. NOTE: See Area Notices—Landing Rights Airports–Gatehold Procedures–Hazards, Cautions and Warnings–CLASS C Airspace–Arrival/Departure Routes–Noise Sensitive Areas–Informal Runway Use Program.

WEATHER DATA SOURCES: ASOS (808) 877–6282. LAWRS (1600–0900Z).

COMMUNICATIONS: CTAF 118.7 **ATIS** 128.6 **UNICOM** 122.95

Ⓡ **HONOLULU CONTROL FACILITY APP/DEP CON** 120.2 (North) 119.5 (South) (1600–0900Z)

MAUI TOWER 118.7 (1600–0900Z) **MAUI GND CON** 121.9 **MAUI CLNC DEL** 120.6

AIRSPACE: CLASS C svc 1600–0900Z ctc **MAUI APP CON**

RADIO AIDS TO NAVIGATION: NOTAM FILE OGG.

MAUI (H) VORTAC 115.1 OGG Chan 98 N20°54.39′ W156°25.26′ at fld. 30/11E.

VALLEY ISLAND NDB (MHW) 327 VYI N20°52.85′ W156°26.56′ 022° 1.3 NM to fld. Unmonitored when tower closed. NDB unusable 075°–160°/225°–310° byd 5 NM.

ILS/DME 110.1 I–OGG Chan 38 Rwy 02. Localizer unusable byd 15° left of course. Unmonitored when tower clsd.

CONTINUED ON NEXT PAGE

COMM/NAV/WEATHER REMARKS: Between 0900Z and 1600Z IFR tfc on the ground ctc Honolulu Control Facility on 119.3. All tfc is requested to follow the procedures described for Traffic Advisories at Non–Tower Airports under Area Notices except to utilize Maui tower freq 118.7 instead of 122.9.

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HELIPAD H1: H125X125 (ASPH)

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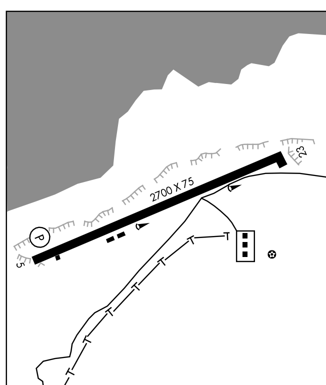
§ **KAPALUA** (JHM)(PHJH) 5 NW UTC−10 N20°57.78′ W156°40.38′ **HAWAIIAN–MARIANA**
256 Class I, ARFF Index A NOTAM FILE JHM **2–G**
RWY 02–20: H3000X100 (ASPH) D–44
RWY 20: Tree. Rgt tfc.
AIRPORT REMARKS: Attended 1615–0415Z. ARFF hrs 1615–0415Z. Private use only. Arpt restricted to Part 121 and Part 135 FAR operators with PPR, ctc Kahului arpt ops 808–872–3880 (24 hrs). No helicopter ops permitted. No jet powered acft allowed. No practice and training flights permitted. Special noise level standards for acft operating at arpt. Restriction on number of daily flts depending on acft capacity and size. Rapidly rising terrain up to 300′ MSL along the full length of Rwy 02–20 approximately 160′ E of centerline.
WEATHER DATA SOURCES: AWOS–3—118.525 (808) 665–6101.
COMMUNICATIONS: CTAF/UNICOM 122.7
AIRSPACE: CLASS E svc effective 1600–0430Z other times CLASS G.
RADIO AIDS TO NAVIGATION: NOTAM FILE OGG.
MAUI (H) VORTAC 115.1 OGG Chan 98 N20°54.39′ W156°25.26′ 272° 14.6 NM to fld. 30/11E.
COMM/NAV/WEATHER REMARKS: AWOS–3 118.525 OTS indef.

MAUI N20°54.39′ W156°25.26′ NOTAM FILE OGG. **HAWAIIAN–MARIANA**
(H) VORTAC 115.1 OGG Chan 98 at Kahului. 30/11E. **2–G**
VORTAC unusable:
065°–084° byd 30 NM blo 7,000′
085°–089° byd 30 NM blo 10,000′
106°–160° byd 19 NM blo 24,000′
VOR portion unusable:
090°–105° byd 31 NM blo 12,500′
161°–165° byd 23 NM blo 7,000′
210°–240° byd 6 NM blo 9,000′
210°–240° byd 17 NM blo 20,000′
241°–249° byd 27 NM blo 20,000′
250°–285° byd 27 NM blo 20,000′
DME unusable:
085°–089° byd 28 NM blo 7,000′
090°–105° byd 28 NM blo 12,500
161°–165° byd 19 NM blo 7,000′
210°–285° byd 19 NM blo 20,000′
RCO 123.6 122.1R 114.3T (HONOLULU RADIO)

VALLEY ISLAND N20°52.85′ W156°26.56′ NOTAM FILE OGG. **HAWAIIAN**
NDB (MHW) 327 VYI 022° 1.3 NM to Kahului. **2–G**
Unmonitored when tower closed. NDB unusable 075°–160°/225°–310° byd 5 NM.

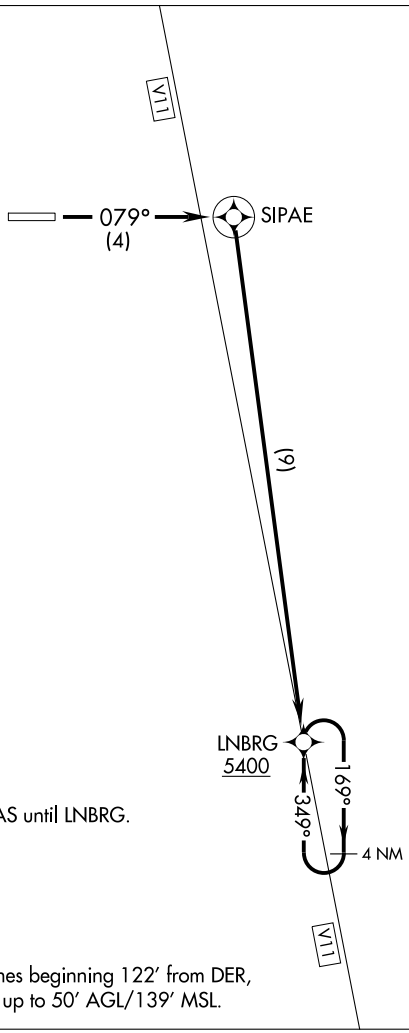
MOLOKAI

§ **KALAUPAPA** (LUP) (PHLU) 2 N UTC−10 N21°12.66′ W156°58.42′ **HAWAIIAN–MARIANA**
24 B TPA—800(776) NOTAM FILE MKK **2–G**
RWY 05–23: H2700X75 (ASPH) S–17 MIRL
RWY 05: PAPI(P2L)—GA 2.75° TCH 25′. **RWY 23:** Rgt tfc.
AIRPORT REMARKS: Attended Mon–Fri 1700–0130Z. PPR from State Department of Health, Communicable Disease Division to enter settlement area phone Honolulu 808–586–4580. 24 hrs PPR for Class A and B explosives and 4 hrs PPR for other hazardous material in/out of arpt ctc 808–567–9658 or 808–872–3880. Deer and wild animals on and invof arpt at night. Deep ruts along NE rwy shoulder caused by wild boars. Oct–May large waves impacting shoreline resulting in salt water sprays 40′ high. Rwy 05–23 MIRL OTS indef. Rwy 05 PAPI OTS indef. ACTIVATE MIRL Rwy 05–23 high and med ints only freq 122.9. PAPI Rwy 05 operational daylight hrs only. NOTE: See Area Notices—TRAFFIC ADVISORIES AT NON–TOWER ARPTS.
COMMUNICATIONS: CTAF 122.9
MOLOKAI RCO 122.1R 116.1T (HONOLULU RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE MKK.
MOLOKAI (H) VORTAC 116.1 MKK Chan 108 N21°08.29′ W157°10.05′ 057° 11.7 NM to fld. 1421/11E.



LINDBERG ONE DEPARTURE (OBSTACLE) (RNAV)

HCF APPROACH
126.0 278.3
CLNC DEL 122.3
CTAF 122.9



NOTE: RNAV 1.

NOTE: GPS required.

NOTE: Do not exceed 200 KIAS until LNBRG.

TAKE-OFF MINIMUMS
Rwy 26: NA.
Rwy 8: Standard.

TAKE-OFF OBSTACLE NOTE
Rwy 8: Multiple trees and bushes beginning 122′ from DER, 75′ right of centerline, up to 50′ AGL/139′ MSL.

NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 8: Climb via 079° course to SIPAE, then right turn direct LNBRG, thence. . . .

. . . .climb in holding (if required) to cross LNBRG at or above 5400 before proceeding via assigned route.

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

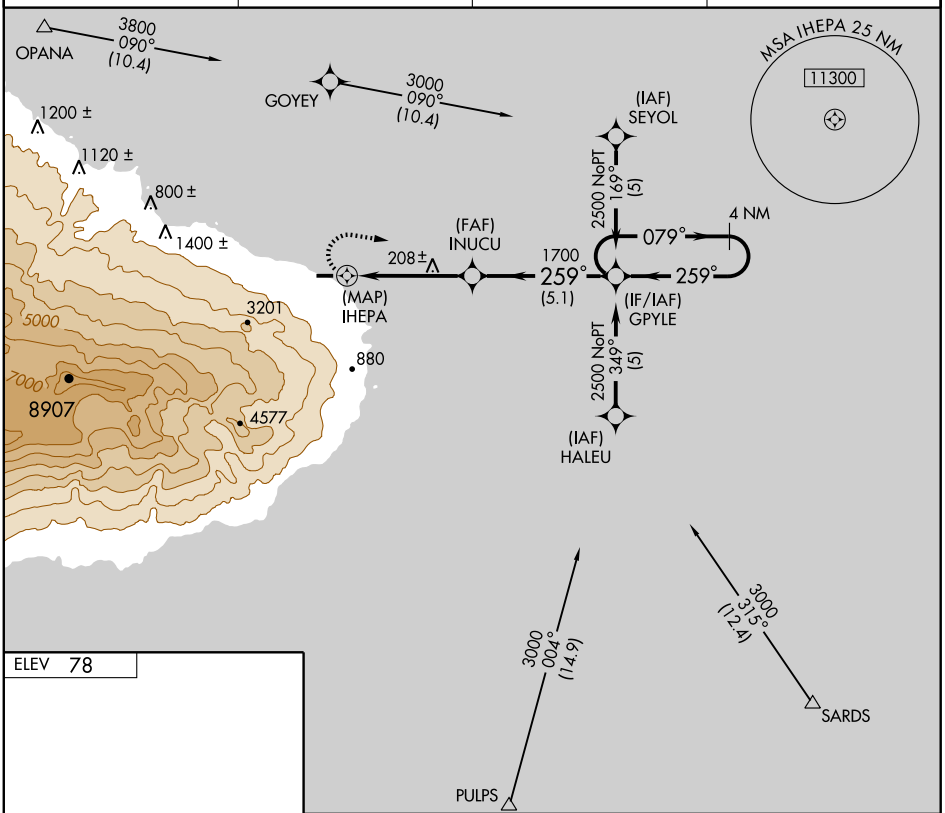
APP CRS	Rwy ldg	3606
259°	TDZE	70
	Apt Elev	78

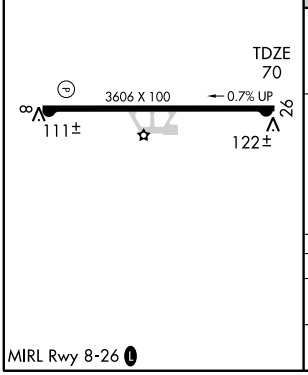
RNAV (GPS) RWY 26
HANA(HNM)(PHHN)

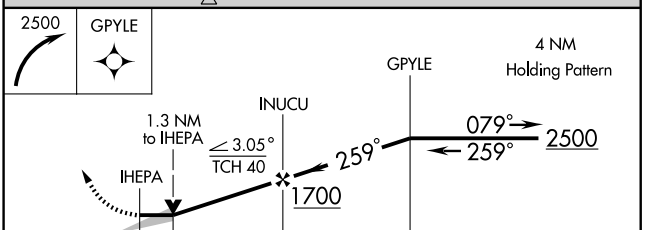
Circling NA S of Rwy 8-26.
DME/DME RNP-0.3 NA.
Procedure NA at night.

MISSED APPROACH: Climbing right turn to 2500 direct GPYLE and hold.

AWOS-3	HCF APPROACH	CLNC DEL	CTAF
118.325	126.0 278.3	122.3	122.9 L







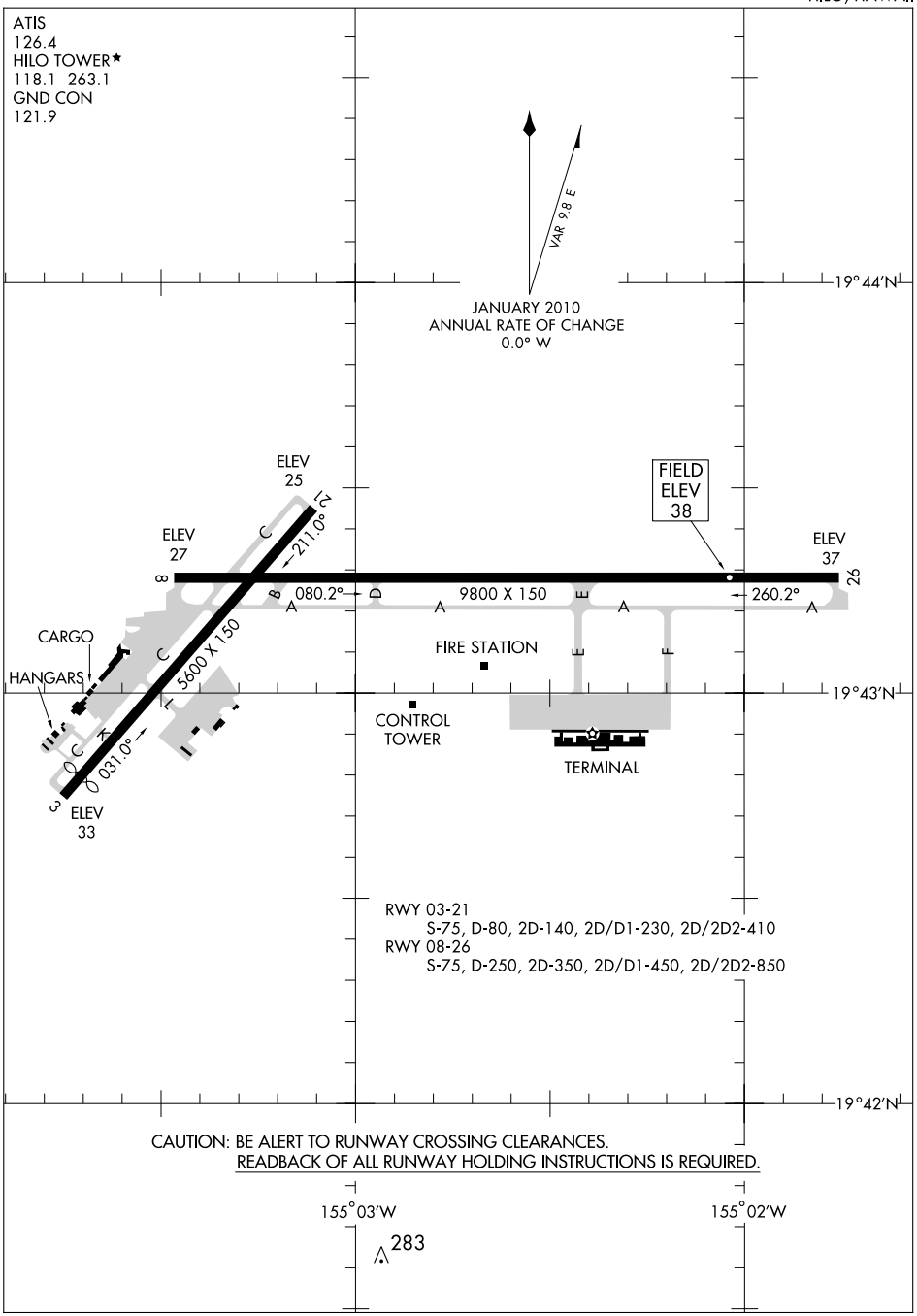
CATEGORY	A	B	C	D
LNAV MDA	660-1 590 (600-1)		NA	NA
CIRCLING	660-1 582 (600-1)	760-1 682 (700-1)	NA	NA

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

AIRPORT DIAGRAM

AL-756 (FAA)

HILO INTL (ITO)(PHTO)
HILO, HAWAII



PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

AIRPORT DIAGRAM

HILO, HAWAII
HILO INTL (ITO)(PHTO)

10210

§ **HILO INTL** (ITO)(PHTO) 2 E UTC−10 N19°43.22′ W155°02.91′ **HAWAIIAN–MARIANA**
38 B S1 **FUEL** 100LL, JET A LRA Class I, ARFF Index C NOTAM FILE ITO **2–H**
RWY 08–26: H9800X150 (ASPH–GRVD) S–75, D–250, 2D–350, 2D/D1–450, 2D/2D2–850 HIRL **IAP**
RWY 08: ODALS. VASI(V6L)—Upper GA 3.25° TCH 110′. Lower GA 3.0° TCH 60′. Tree.
RWY 26: MALSR. VASI(V4L)—GA 2.6° TCH 52′. Tree.
RWY 03–21: H5600X150 (ASPH) S–75, D–80, 2D–140, 2D/D1–230, 2D/2D2–410 MIRL
RWY 03: REIL. VASI(V4L)—GA 3.25° TCH 48′. Thld dsplcd 349′. Fence. **RWY 21:** Pole.
AIRPORT REMARKS: Attended 1700–0630Z. Rwy 03–21 closed to turbine acft 0400–1600. Be alert—occasional bird flocks on arpt and in flight across Rwy 08–26 and Rwy 03–21. For fuel advance notice required, for 100LL call 808–960–5146/864–0236 or ctc freq 128.95, for JET A call 808–935–7757 or ctc freq 130.8. ARFF avbl 24 hrs, ctc 118.1 or 808–934–5830/5831. Avoid overflight of noise sensitive residential areas north, west and southwest of arpt. The 1325′ paved area at approach end Rwy 08 marked by chevrons not usable for landing, takeoff, overrun or stopway and cannot be used in computing takeoff data for Rwy 08–26. Obstruction lighted 181′ smoke stack located ½ mile south of field. Stationary construction crane 180′ MSL (155′ AGL) located 1.5 miles west–southwest of arpt. Tower controls entry/exit traffic on taxiways F and E to east terminal ramp. Class A and B explosives prohibited. PPR from arpt manager for transportation of Class C explosives and hazardous material in or out of arpt. Rwy 03–21 no jet operations between 0400–1600Z. PPR from arpt manager for transient parking. Customs available. Rwy 03 VASI usable distance limited to 4NM from thld due to obstructions. ACTIVATE MIRL Rwy 3–21, HIRL Rwy 08–26, MALSR Rwy 26 and ODALS Rwy 08—118.1. 100 grade fuel available Mon–Sat 1800–0300Z call 808–961–6601 or 925–7395/889–6460 (nights and Sundays). Jet fuel available Mon–Sat 1800–0300Z call 808–935–6881/6122 or 961–6601. NOTE: See Area Notices—General Information On Flying To Hawaii.
WEATHER DATA SOURCES: ASOS (808) 961–2077.
COMMUNICATIONS: CTAF 118.1 **ATIS** 126.4
RCO 122.6 122.2 122.1R (HONOLULU RADIO)
Ⓡ **APP/DEP CON** 119.7 120.25 (1600–0800Z)
HONOLULU CONTROL FACILITY APP/DEP CON 126.6 (0800–1600Z)
TOWER 118.1 (1600–0800Z) **GND CON** 121.9
AIRSPACE: CLASS D svc effective 1600–0800Z other times CLASS E.
RADIO AIDS TO NAVIGATION: NOTAM FILE ITO.
(H) VORTAC 116.9 ITO Chan 116 N19°43.28′ W155°00.66′ 257° 2.1 NM to fld. 23/11E.
ILS/DME 110.7 I–ITO Chan 44 Rwy 26. Class IA. Back course unusable. ILS unmonitored when twr clsd.

KAMUELA N19°59.88′ W155°40.19′ NOTAM FILE MUE. **HAWAIIAN–MARIANA**
(H) VOR/DME 113.3 MUE Chan 80 at Waimea–Kohala Fld. 2670/11E. **2–G**
VOR portion unusable:
001°–030° byd 10 NM blo 6,000′
070°–084° byd 25 NM blo 7,000′
070°–084° byd 35 NM blo 13,000′
085°–210° byd 15 NM blo 15,500′
290°–360° byd 10 NM blo 7,500′
290°–030° byd 20 NM blo 16,000′
DME unusable:
070°–084° byd 25 NM blo 7,000′
070°–084° byd 35 NM blo 13,000′
085°–210° byd 15 NM blo 15,500′
290°–030° byd 10 NM
RCO 122.1R 113.3T (HONOLULU RADIO)

LOC/DME I-ITO 110.7 Chan 44	APP CRS 259°	Rwy ldg 9800 TDZE 38 Apt Elev 38

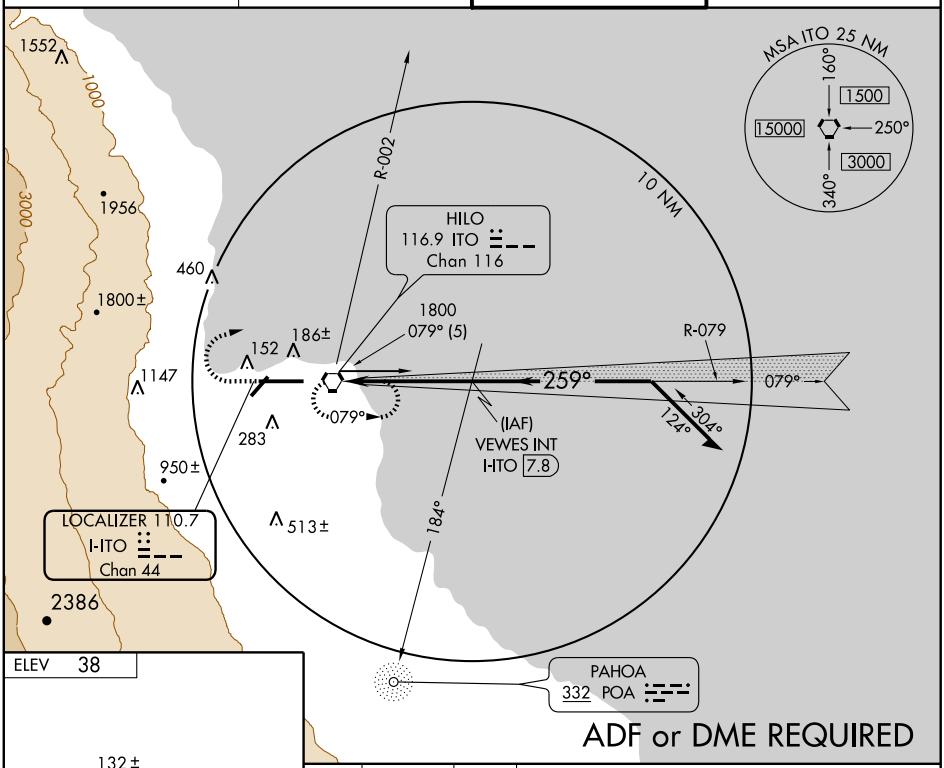
ILS or LOC RWY 26
HILO INTL (ITO) (PHTO)

Circling not authorized south of Rwy 8-26. For inoperative MALSR increase S-LOC 26 vis to 1 mile all Cats. Inoperative table does not apply to S-ILS 26. ADF or DME required.

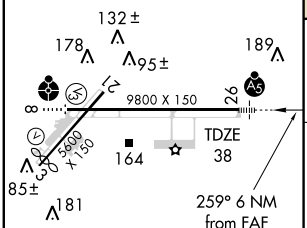
MALSR

MISSED APPROACH: Climb to 450 then climbing right turn to 3000 via ITO R-002 then direct ITO VORTAC and hold.

ATIS	HILO APP CON	HILO TOWER★	GND CON
126.4	119.7 269.2	118.1(CTAF) L 263.1	121.9

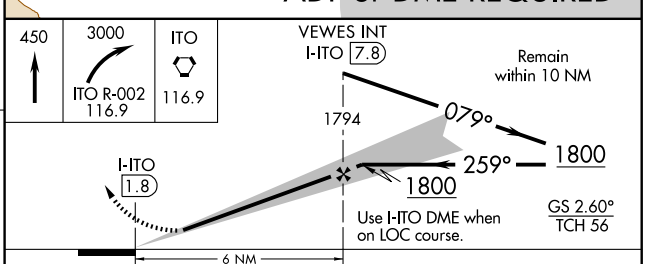


ADF or DME REQUIRED



REIL Rwy 3
MIRL Rwy 3-21 L
HIRL Rwy 8-26 L

FAF to MAP 6 NM					
Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

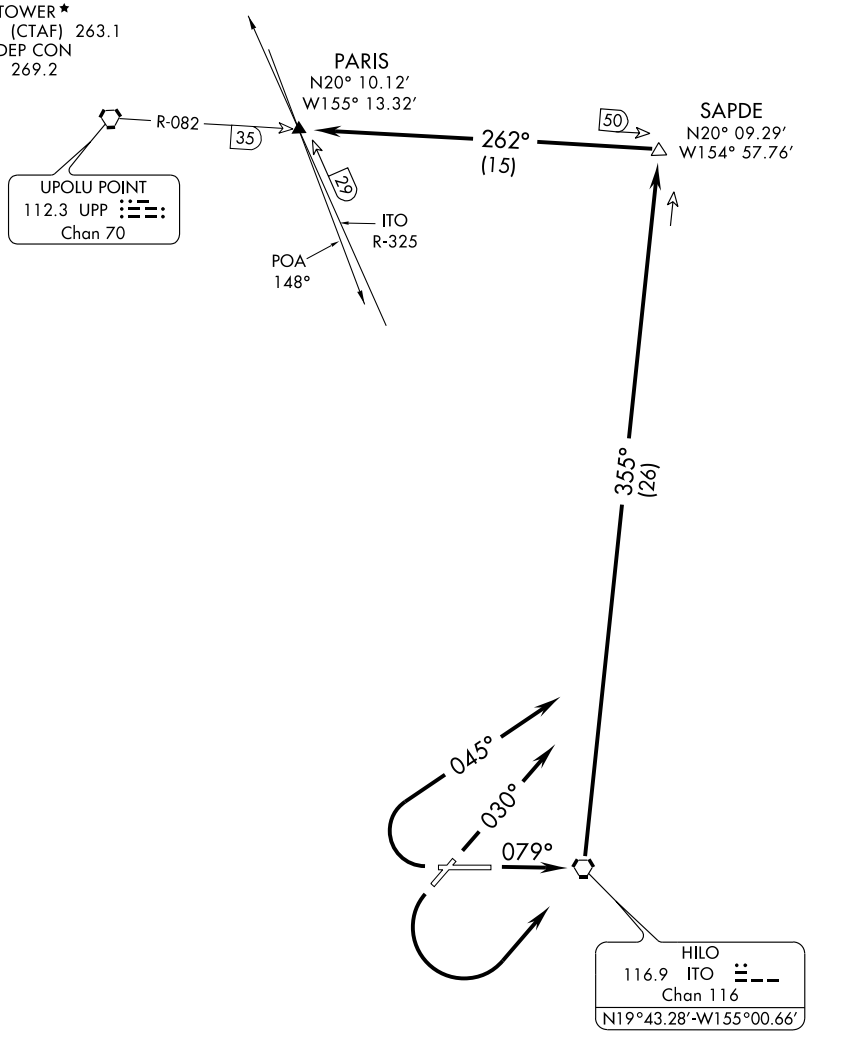


CATEGORY	A	B	C	D
S-ILS 26	288-1	250 (300-1)		
S-LOC 26	420-¾	382 (400-¾)		
CIRCLING	500-1	462 (500-1)	500-1½ 462 (500-1½)	700-2 662 (700-2)

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

PARIS FOUR DEPARTURE (OBSTACLE)

ATIS 126.4
GND CON
121.9
HILO TOWER ★
118.1 (CTAF) 263.1
HILO DEP CON
119.7 269.2



TAKE OFF MINIMUMS:

Rwy 3, 8: STANDARD

Rwy 21: Standard with minimum climb of 310′ per NM to 1100 or 1300-2½ for climb in visual conditions.

Rwy 26: Standard with minimum climb of 385′ per NM to 2900 or 1300-2½ for climb in visual conditions.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

V

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 3: Climb heading 030° and ITO R-355 to SAPDE INT, thence....
TAKE-OFF RUNWAY 8: Climb heading 079° to ITO VORTAC and ITO R-355 to SAPDE INT, thence....
TAKE-OFF RUNWAY 21: Climbing left turn direct ITO VORTAC and ITO R-355 to SAPDE INT, or climb in visual conditions to cross ITO VORTAC northbound at or above 1200 MSL, then via R-355 to SAPDE INT, thence....
TAKE-OFF RUNWAY 26: Climbing right turn via heading 045° and ITO R-355 to SAPDE INT, or climb in visual conditions to cross ITO VORTAC northbound at or above 1200 MSL, then via R-355 to SAPDE INT, thence....

....proceed via UPP R-082 to PARIS INT.

TAKE OFF OBSTACLE NOTES

Rwy 3: Numerous trees and WSK beginning 395′ from DER, 68′ left of centerline, up to 86′ AGL/115′ MSL.
Numerous trees beginning 325′ from DER, 137′ right of centerline, up to 66′ AGL/95′ MSL.

Rwy 8: Tree 1198′ from DER, 480′ left of centerline, 37′ AGL/70′ MSL.
Numerous trees beginning 414′ from DER, 328′ right of centerline, up to 46′ AGL/79′ MSL.

Rwy 21: Numerous trees and poles beginning 1077′ from DER, 272′ left of centerline, up to 70′ AGL/490′ MSL.
Numerous trees and poles beginning 236′ from DER, 43′ right of centerline, up to 83′ AGL/362′ MSL.
Vehicles on road beginning 234′ from DER, 260′ left of centerline, 15′ AGL/58′ MSL.

Rwy 26: Numerous vehicles beginning 6′ from DER, 452′ right of centerline, up to 15′ AGL/39′ MSL.
Numerous trees and light poles beginning 542′ from DER, 471′ left of centerline, up to 86′ AGL/92′ MSL.
Numerous trees beginning 1645′ from DER, 266′ right of centerline, up to 93′ AGL/119′ MSL.
Windsock 3′ from DER, 269′ right of centerline, 19′ AGL/46′ MSL.
Radar reflector 373′ from DER, 346′ right of centerline, 10′ AGL/37′ MSL.

PAC, 23 SEP 2010 to 18 NOV 2010

RNAV (GPS) RWY 21

HILO INTL (ITO) (PHTO)

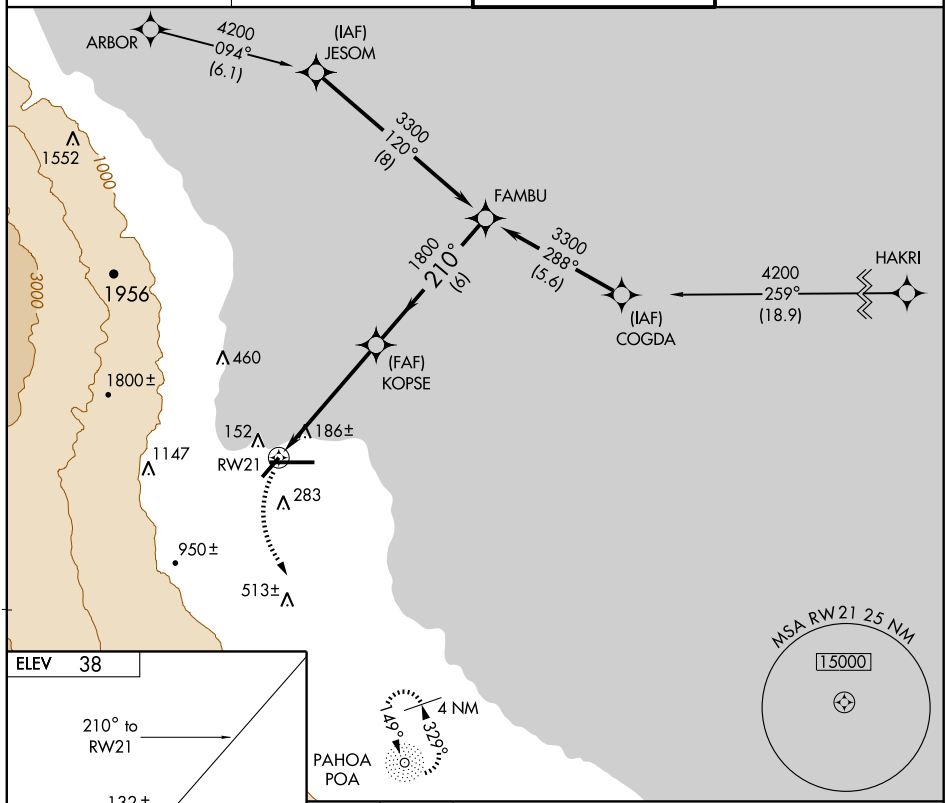
APP CRS	Rwy ldg	5600
210°	TDZE	31
	Apt Elev	38

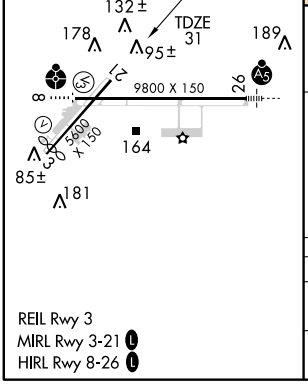
T
A NA

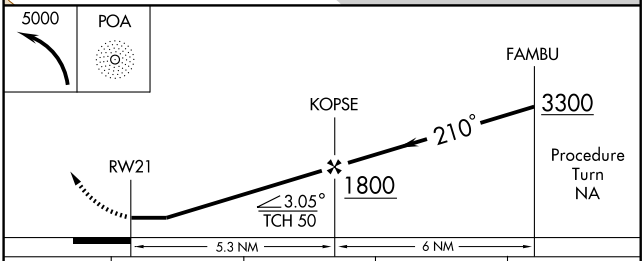
Circling not authorized south of Rwy 8-26.

MISSED APPROACH: Climbing left turn to 5000 direct POA NDB and hold.

ATIS	HILO APP CON	HILO TOWER ★	GND CON
126.4	119.7 269.2	118.1 (CTAF) L 263.1	121.9







CATEGORY	A	B	C	D
LNAV MDA	440-1 409 (500-1)		440-1¼ 409 (500-1¼)	
CIRCLING	500-1 462 (500-1)		500-1½ 462 (500-1½)	700-2 662 (700-2)

PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	9800
259°	TDZE	38
	Apt Elev	38

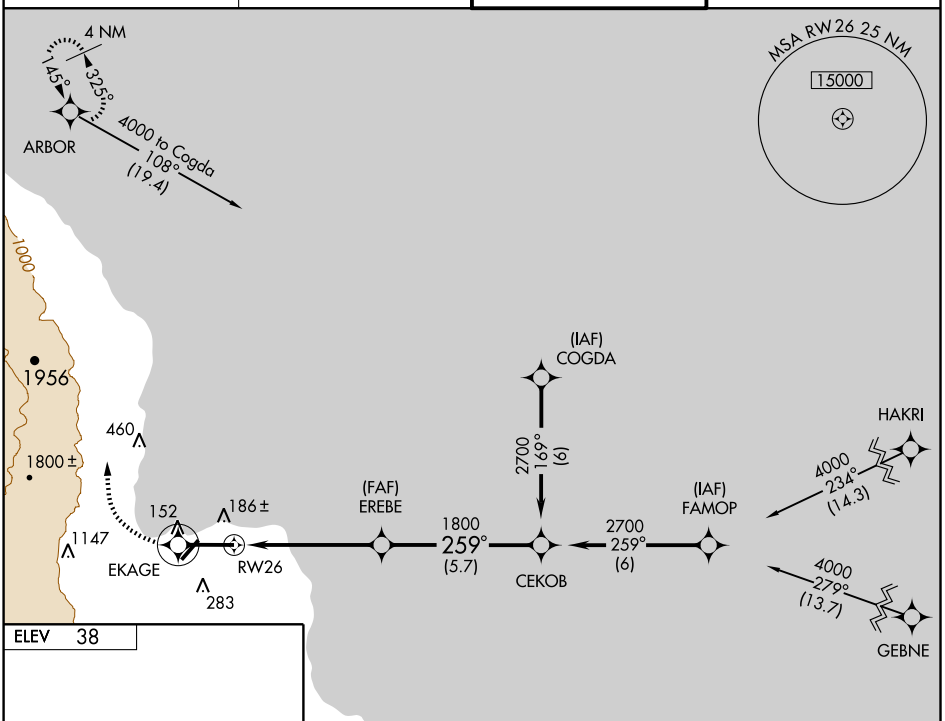
RNAV (GPS) RWY 26
HILO INTL (ITO) (PHTO)

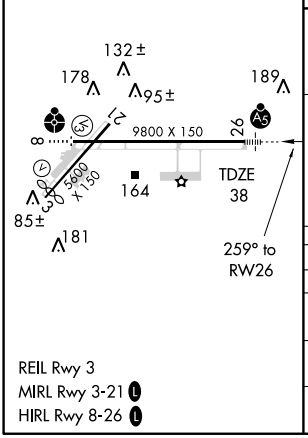
Circling not authorized south of Rwy 8-26.
For inoperative MALSR increase LNAV Cat A, B & D ¼ mile.
Baro-VNAV NA below -5°C (23°F).
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
WAAS VNAV NA.

MALSR

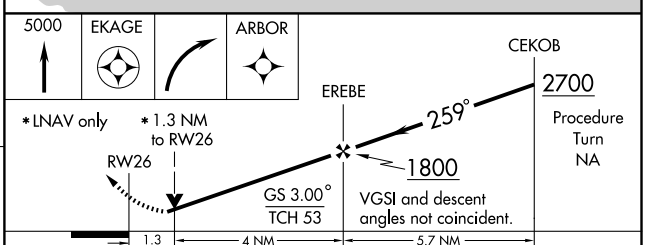
MISSED APPROACH: Climb to 5000 direct EKAGE WP then right turn direct ARBOR WP and hold.

ATIS	HILO APP CON	HILO TOWER ★	GND CON
126.4	119.7 269.2	118.1 (CTAF) L 263.1	121.9





REIL Rwy 3
MIRL Rwy 3-21 L
HIRL Rwy 8-26 L



CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	440-1 402 (500-1)			
LNAV MDA	440-¾ 402 (500-¾)			440-1 402 (500-1)
CIRCLING	500-1½ 462 (500-1½)			700-2 662 (700-2)

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

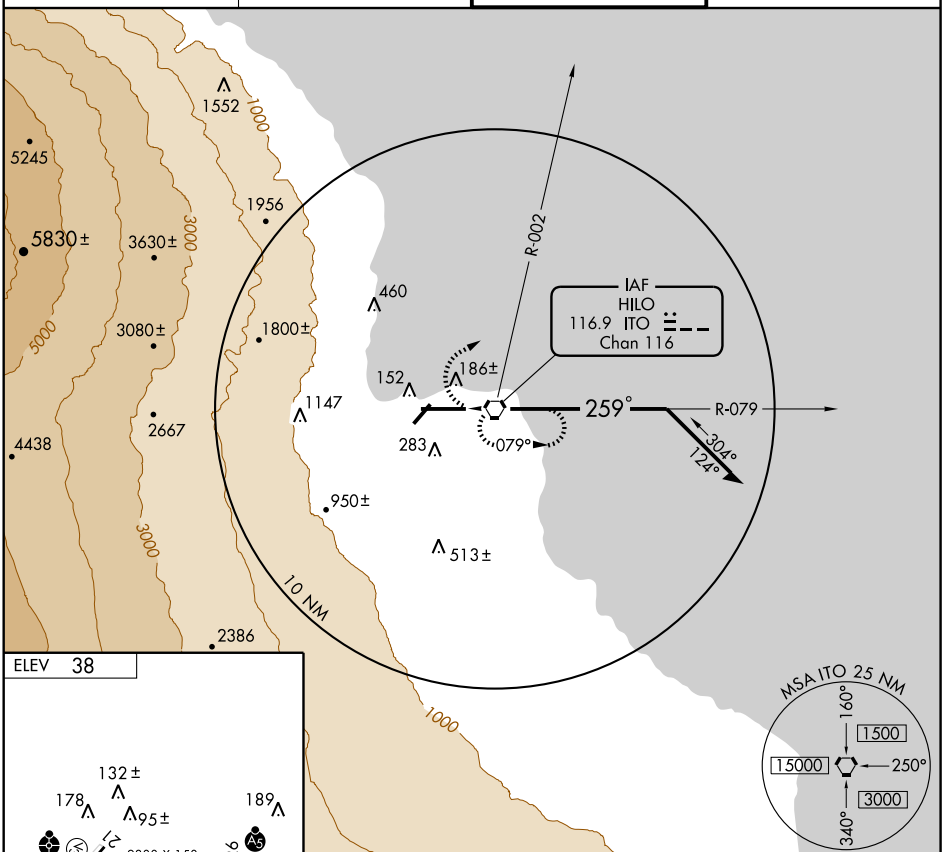
VORTAC ITO 116.9 Chan 116	APP CRS 259°	Rwy ldg N/A TDZE N/A Apt Elev 38

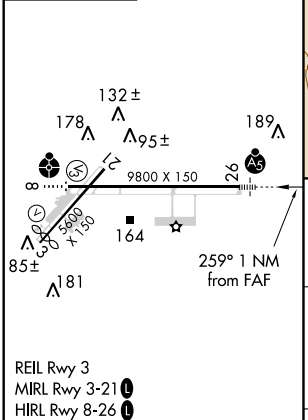
VOR-B
HILO INTL (ITO) (PHTO)

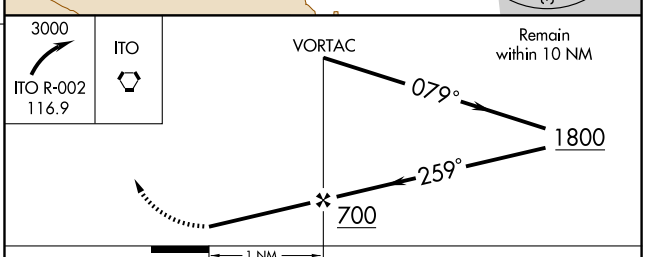
Circling not authorized south of Rwy 8-26.

MISSED APPROACH: Climbing right turn to 3000 via ITO R-002 then direct to ITO VORTAC and hold.

ATIS	HILO APP CON	HILO TOWER ★	GND CON
126.4	119.7 269.2	118.1 (CTAF) L 263.1	121.9







FAF to MAP 1 NM					
Knots	60	90	120	150	180
Min:Sec	1:00	0:40	0:30	0:24	0:20

CATEGORY	A	B	C	D
CIRCLING	500-1 462 (500-1)		500-1½ 462 (500-1½)	700-2 662 (700-2)

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

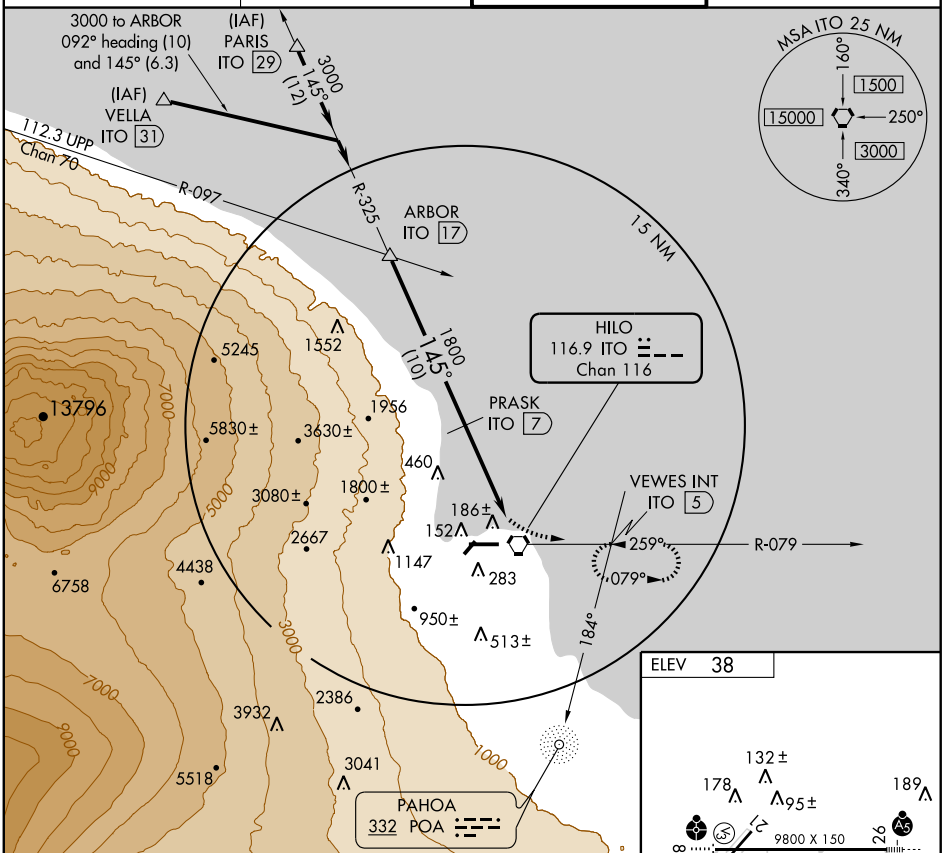
VORTAC ITO 116.9 Chan 116	APP CRS 145°	Rwy ldg N/A TDZE N/A Apt Elev 38

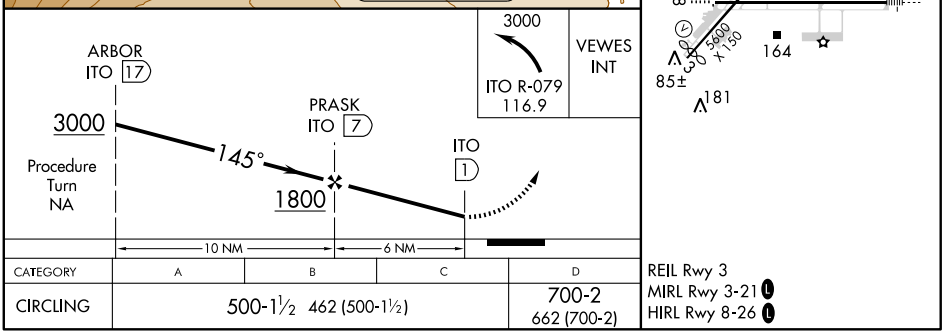
VOR/DME or TACAN-A
HILO INTL (ITO) (PHTO)

Circling not authorized south of Rwy 8-26.

MISSED APPROACH: Climbing left turn to 3000 via ITO R-079 to VEWES/5 DME and hold.

ATIS	HILO APP CON	HILO TOWER ★	GND CON
126.4	119.7 269.2	118.1 (CTAF) L 263.1	121.9





CATEGORY	A	B	C	D
CIRCLING	500-1½ 462 (500-1½)			700-2 662 (700-2)

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

VORTAC ITO 116.9 Chan 116	APP CRS 259°	Rwy ldg 9800 TDZE 38 Apt Elev 38

VOR/DME or TACAN RWY 26

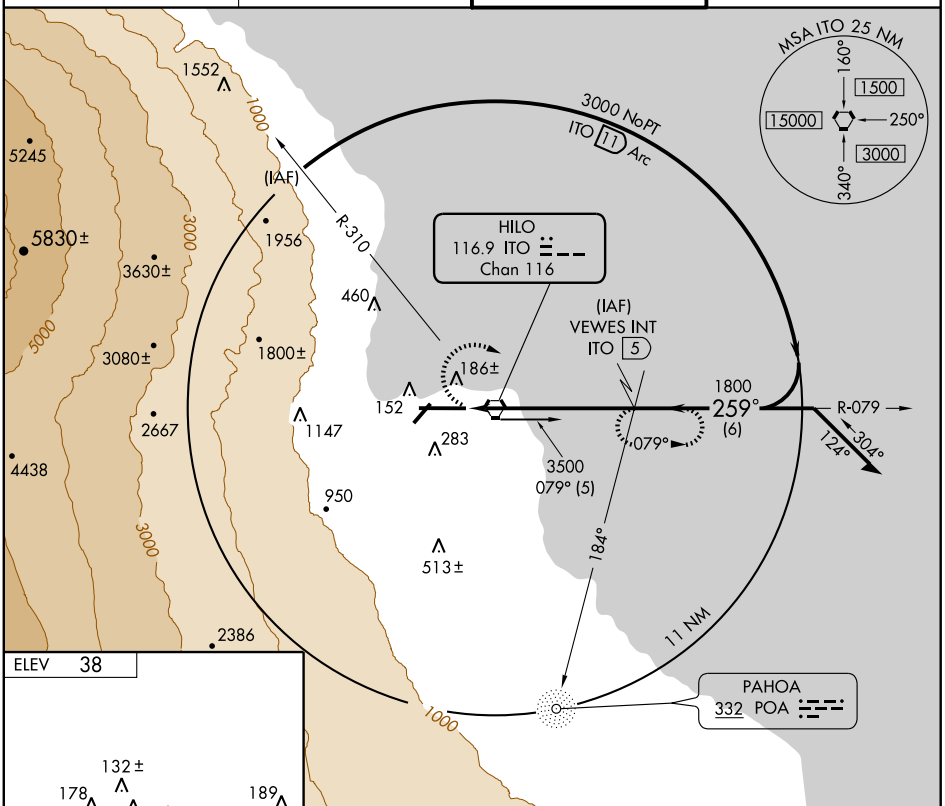
HILO INTL (ITO) (PHTO)

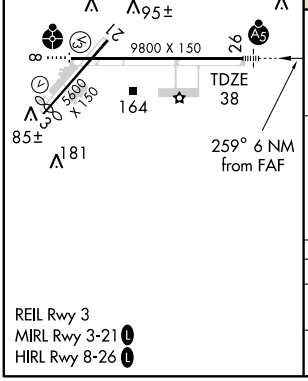
Circling not authorized south of Rwy 8-26. Visibility reduction for helicopters NA. For inoperative MALSR increase S-26 Cat. A/B and D visibility ¼ mile.

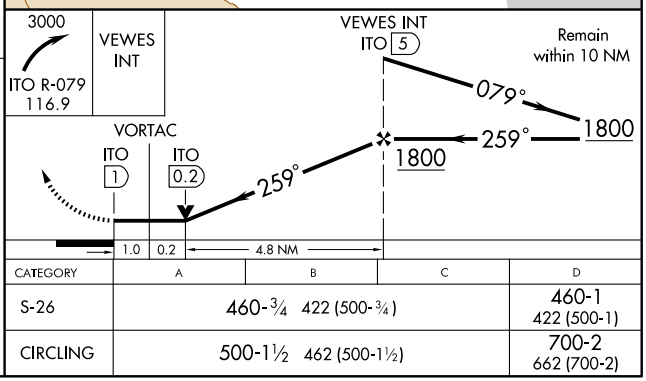
MALSR

MISSED APPROACH: Climbing right turn to 3000 via ITO R-079 to VEWES/5 DME and hold.

ATIS	HILO APP CON	HILO TOWER ★	GND CON
126.4	119.7 269.2	118.1 (CTAF) L 263.1	121.9

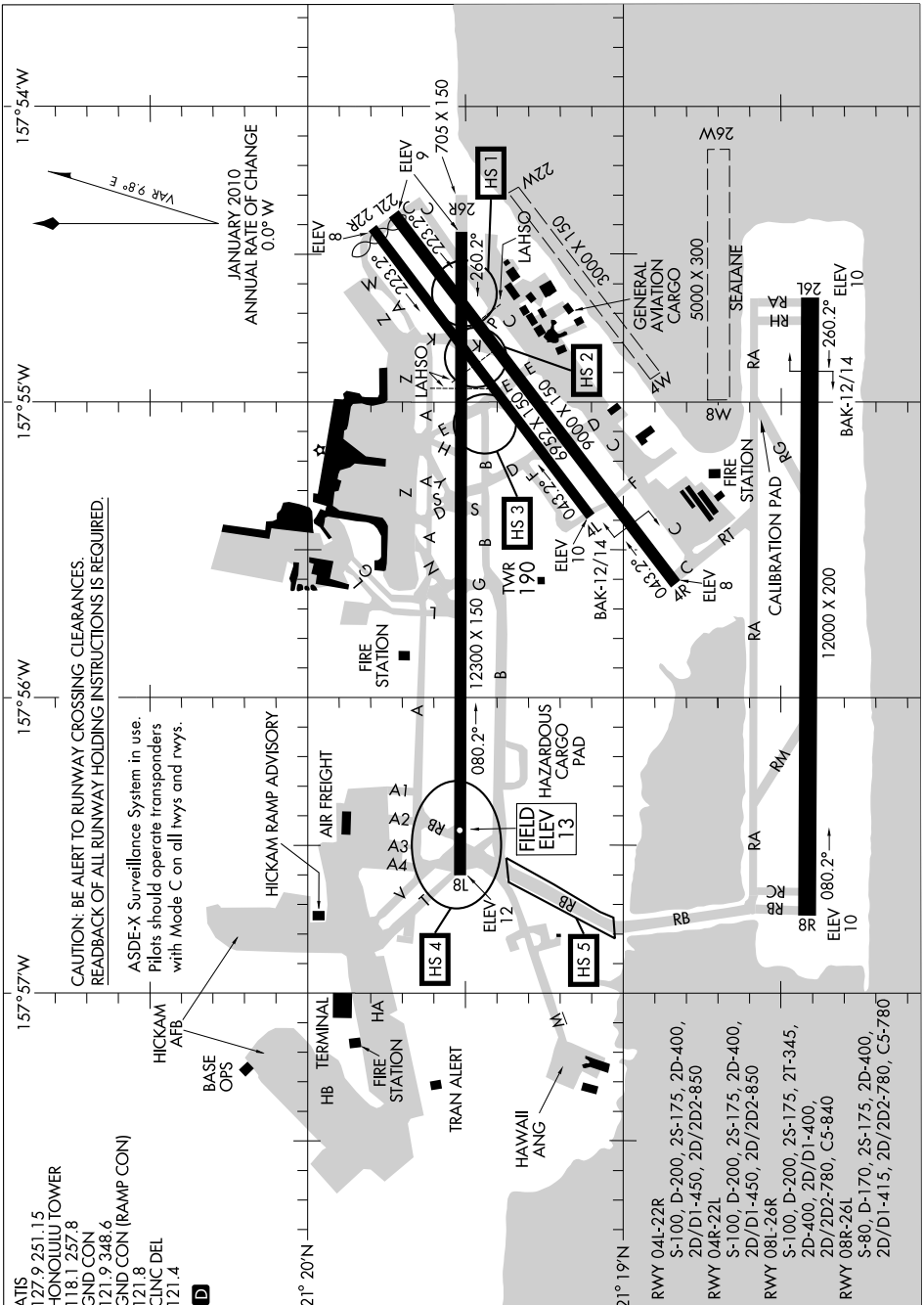






CATEGORY	A	B	C	D
S-26	460-¾ 422 (500-¾)			460-1 422 (500-1)
CIRCLING	500-1½ 462 (500-1½)			700-2 662 (700-2)

PAC, 23 SEP 2010 to 18 NOV 2010



ATIS
127.9 251.15
HONOLULU TOWER
118.1 257.8
GND CON
121.9 348.6
GND CON (RAMP CON)
121.8
CLNC DEL
121.4

PAC, 23 SEP 2010 to 18 NOV 2010

§ **HONOLULU INTL** (HNL)(PHNL) 3 NW UTC−10 N21°19.12′ W157°55.35′ **HAWAIIAN–MARIANA**
13 B S4 **FUEL** 80, 100, JET A, A1+, B OX 1, 2, 3, 4 TPA—See Remarks **2–E–F**
LRA Class I, ARFF Index E NOTAM FILE HNL **IAP**

RWY 08L–26R: H12300X150 (ASPH–GRVD) S–100, D–200, 2S–175, 2T–566, 2D–400, 2D/D1–593, D2D/2D2–780 HIRL
RWY 08L: MALSR. PAPI(P4L)—GA 3.0° TCH 80′.
RWY 26R: REIL. VASI(V6L)—Upper GA 3.25° TCH 96′. Lower GA 3.0° TCH 52′.

RWY 08R–26L: H12000X200 (ASPH–GRVD) S–80, D–170, 2S–175, 2D–400, D/2D2–780 HIRL
RWY 08R: REIL. VASI(V6L)—Upper GA 3.25° TCH 96′. Lower GA 3.0° TCH 52′.
RWY 26L: MALSF. PAPI(P4L)—GA 3.0° TCH 75′. 3 cranes.

RWY 04R–22L: H9000X150 (ASPH–GRVD) S–100, D–200, 2S–175, 2D–400, D/2D2–850 HIRL
RWY 04R: MALSR. PAPI(P4L)—GA 3.0° TCH 71′. Tree.
RWY 22L: REIL. VASI(V4L)—GA 3.0° TCH 52′. Stack.

RWY 04L–22R: H6952X150 (ASPH) S–100, D–200, 2S–175, 2D–400, D/2D2–850 MIRL
RWY 04L: REIL. PAPI(P4L)—GA 3.0° TCH 50′. **RWY 22R:** REIL. Antenna. Thld dsplcd 150′.

LAND AND HOLD SHORT OPERATIONS

LANDING	HOLD SHORT POINT	DIST AVBL
RWY 04L	08L–26R	3700
RWY 04R	08L–26R	6250
RWY 08L	04L–22R	9300

RUNWAY DECLARED DISTANCE INFORMATION

RWY 04L:	TORA–6948	TODA–6948	ASDA–6398	LDA–6398
RWY 22R:	TORA–6948	TODA–6948	ASDA–6948	LDA–6798

ARRESTING GEAR/SYSTEMS
RWY 04R BAK–14 BAK–12B (1500′)
HOOK MB 60 (200′) → **RWY 26R**
BAK–14 BAK 12B(B) (1500) **RWY 26L**

AIRPORT REMARKS: Attended continuously. 80 and 100 octane fuel avbl thru FBO. Bird strike hazard all runways. See FLIP AP/3 Supplementary arpt information, route and area rstd, and Oakland FIR flt haz. PAEW 600′–1300′E Rwy 22L and Rwy 22R thld, 1700–0130Z Mon–Fri. Rwys CLOSED 1730–1930Z every month as follows: Rwy 04R–22L first Tue; Rwy 08R–26L second Tue; and Rwy 08L–26R third Tue. Crane 280′ AGL 300′ north terminal control concourse until 01 Jan 2009. Rwy 08R–26L 200′ pavement width with lgts outside, pavement striped 150′ wide. Thld of Rwy 08L difficult to determine due to Twy T. To minimize foreign object damage potential, all acft should use minimum thrust, especially outboard engines, when taxiing past the F–15 alert facility on Twy Tango. Twy L lights btn gate 50 and gate 59 OTS indef. Twy G lighted sign OTS at Rwy 08L–26R Twy G intersection. Twys G and L between Twy A and Inter–Island ramp clsd to wide–bodied and 4–engine turbo–jet acft under power without PPR from arpt ops manager 808–836–6428 Mon–Fri 1745–0230Z. Tfc pattern overhead altitude 2000(1987), restricted to HIANG acft. Tfc pattern altitude for small acft entering from NW 800(787). Tfc pattern altitude for small acft entering from S 1000(987). Tfc pattern altitude for large acft entering from S 1500(1487). No F–16 transient support avbl in accordance with Area Control Center LSET flash safety 06–02. Transient F–16 units should provide their own maintenance support. PPR all acft units planning to stage ops from Hickam AFB must ctc 15 OSS/OSX DSN 315–449–3129 no later than 3 weeks prior regardless. All military acft rqr Customs/Agriculture/Immigration inspection must ctc Hickam Pilot to Dispatcher or if Air Mobility Command ctc Hickam AMCC, no later than 3 hrs prior to arrival with estimated block time, number of Civilian/Military Passengers/Foreign Nationals/and Distinguished Visitor codes. All transient acft, not on an Air Mobility Command mission, will provide a 2–3 hr out call, as well as 20–30 minute out call on 292.5 to the 15 AW/CP (KOA Control). Upon arrival, crews will proceed directly to Command Post (Bldg 2050) and complete an outbound setup sheet to facilitate departure requirements. No COMSEC material avbl thru Hickam Airfield Ops. Transient aircrews should plan to arrive with appropriate amount of COSMEC to complete entire mission. 613AOC/AMD Coronet Msn Commander will meet acft upon arr, all Coronet W tankers use 311.0 for tanker-fighter inter-plane on launch day. After duty hr DSN 448–8888 613AOC/AMD, Fit Management. Due to non–visibility twr unable to determine if the following areas are clear of obstructions and/or tfc: portions of Twy RB between Twy B and Rwy 08R, portions of inter–island acft parking ramp. Due to location of twr, controllers unable to determine whether acft are on correct final apch to Rwy 04L, Rwy 04R, Rwy 22L and Rwy 22R. Remain at least 1 mile offshore of Waikiki Diamond Head Koko Head and EWA Beach. Arrival Rwy 08L, fly ILS apch procedure or a close–in base leg remaining over center of Pearl Harbor Channel. Arrival Rwy 26L and Rwy 26R, remain at tfc pattern altitudes as long as possible before beginning descent for ldg. All military acft with VIP code 7 or abv ctc 15AB command post or relay thru HF/SSB airway 1 hour out to confirm blocktime. All acft inbd to Hickam should address flt plan to PHIK. All inbound helicopters ctc HIK ramp at fld boundary prior to ldg. Hickam Base Wx station open Mon–Fri 1400Z–0800Z, clsd weekends/holidays except during local flying, as manning permits.

CONTINUED ON NEXT PAGE

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Limited wx brief support. Remote flt wx briefings ctc 17th Wx Sq 24 hr, DSN 315–449–7950/8333/8335, FAX DSN 315–449–8336; 2 hr prior notice rqr for timely brief. Official obsn taken by FAA. Cooperative wx watch procedures do not exist between Wx and ATC. Recreational boating activities on and invof waterways. During periods of repeated precipitation anticipate wet rwy conditions, if current conditions rqr confirmation ctc Honolulu twr on initial ctc. Rwy 22L VASI unusable byd 2NM from thld. Rwy 26R VASI unusable byd 3.6 NM from thld/obstruction. Rwy 04R–22L DC–10 450,000 L–1011 450,000+ Rwy 04L–22R DC–10 450,000+ L–1011 450,000+ Rwy 08L–26R DC–10 400,000 L–1011 410,000 Rwy 08R–26L DC–10 415,000 L–1011 400,000. ASDE–X surveillance system in use: pilots should opr transponders with Mode C on all twys and rwys. Flight Notification Service (ADCUS) avbl, 2 hrs advance notice rqr outside regular business hrs. Ldg fee and storage charges collectable on arrival. PPR from arpt manager for transportation of Class A and B explosives in and out of HNL. SPECIAL VFR OPERATIONS PROHIBITED to fixed wing acft.

NOTE—See Area Notices. NOTE—See General Notices—GENERAL INFORMATION ON FLYING TO HAWAII.

NOTE—See Special Notices—Tower Data Link System, Continuous Power Facilities.

WEATHER DATA SOURCES: ASOS (808) 836–0449. WSP.

COMMUNICATIONS: D–ATIS 127.9

HONOLULU RCO 123.6 122.6 122.2 122.1R 114.8T (HONOLULU FSS)

Ⓡ **HONOLULU CONTROL FACILITY APP CON** 118.3

TOWER 118.1 123.9 **GND CON** 121.9 **ADVISORY RAMP** 121.8 (HNL INTL) 133.6 (HICKAM) **CLNC DEL** 121.4

Ⓡ **HONOLULU CONTROL FACILITY DEP CON** 118.3 (West) 124.8 (East)

AIRSPACE: CLASS B: See VFR Terminal Area Chart.

VOLMET 13282 8828 6679 2863 Broadcast H+ 00 and 30.

RADIO AIDS TO NAVIGATION: NOTAM FILE HNL.

(H) VORTAC 114.8 HNL Chan 95 N21°18.50′ W157°55.83′ at fld. 10/11E.

VOR Unusable:

000°–085° byd 15 NM blo 5,500′
000°–085° byd 25 NM blo 7,500′
100°–115° byd 30 NM blo 4,000′
120°–140° byd 35 NM blo 5,000′
170°–210° byd 20 NM blo 3,000′
240°–250° byd 30 NM blo 3,000′
241°–250° byd 35 NM blo 4,000′
251°–260° byd 24 NM blo 2,200′
261°–280° byd 20 NM blo 3,000′
281°–305° byd 20 NM blo 7,500′
306°–330° byd 30 NM blo 7,500′
331°–340° byd 32 NM blo 5,500′
351°–359° byd 25 NM blo 7,500′

DME Unusable:

000°–085° byd 15 NM blo 5,500′
000°–085° byd 25 NM blo 7,500′
251°–260° byd 20 NM blo 2,200′
261°–280° byd 20 NM blo 3,000′
281°–305° byd 20 NM blo 7,500′
306°–330° byd 30 NM blo 7,500′
331°–340° byd 32 NM blo 5,500′
351°–360° byd 25 NM blo 7,500′

EWABE NDB (MHW/LOM) 242 HN N21°19.49′ W158°02.93′ 082° 7.1 NM to fld.

ILS 111.7 I–HNL Rwy 08L. LOM EWABE NDB.

ILS/DME 110.5 I–IUM Chan 42 Rwy 04R. Class IE.

LDA/DME 109.1 I–EPC Chan 28 Rwy 26L. Unusable byd 25° N of centerline due to terrain.

COMM/NAV/WEATHER REMARKS: Aeronautical Radio, Inc. (ARINC) see Associated Data. Excessive needle oscillation can be expected over mountainous terrain NE of NDB—CAUTION advised. Hickam ramp twr (Non–ATC facility) All acft on HIK flightline including haz cargo pad will ctc HIK Ramp prior to eng start/taxi. HIK Ramp will provide advisory directions and will relay to AFLD Ops via VHF capable acft. All acft departing to CONUS must complete USDA inspection prior to eng start/taxi.

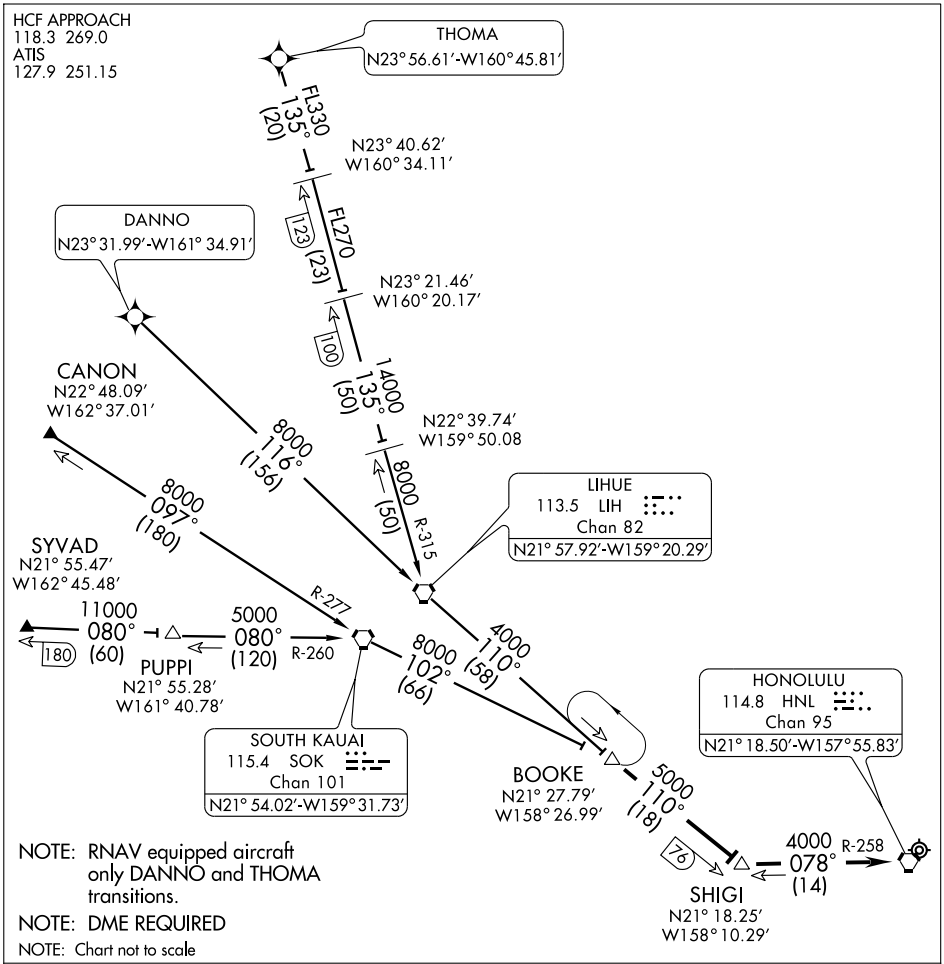
• •

WATERWAY 08–26: 5000X300 (WATER)

WATERWAY 04–22: 3000X150 (WATER)

SEAPLANE REMARKS: Rwy 04W–22W and Rwy 08W–26W recreational boating activities on and invof waterways.

BOOKE EIGHT ARRIVAL (BOOKE.BOOKE8)



NOTE: RNAV equipped aircraft only DANNO and THOMA transitions.

NOTE: DME REQUIRED

NOTE: Chart not to scale

ARRIVAL DESCRIPTION

CANON TRANSITION (CANON.BOOKE8): From over CANON INT via SOK R-277 to SOK VORTAC. Then via SOK R-102 to BOOKE DME. Thence….

DANNO TRANSITION (DANNO.BOOKE8): From over DANNO WP via RNAV 116° course to LIH VORTAC. Then via LIH R-110 to BOOKE DME. Thence….

SYVAD TRANSITION (SYVAD.BOOKE8): From over SYVAD INT via SOK R-260 to SOK VORTAC. Then via SOK R-102 to BOOKE DME. Thence….

THOMA TRANSITION (THOMA.BOOKE8): From over THOMA WP via RNAV 135° course to LIH 123 DME, then LIH R-315 to LIH VORTAC. Then via LIH R-110 to BOOKE DME. Thence….

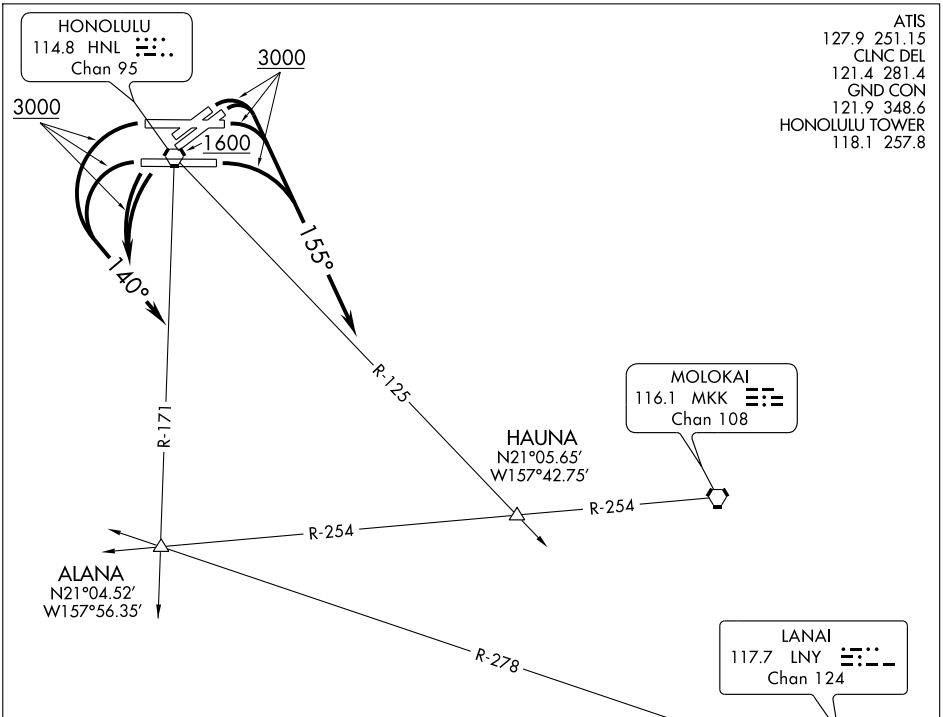
….From over BOOKE DME via LIH R-110 and HNL R-258 to HNL VORTAC. Expect radar vectors.

PAC, 23 SEP 2010 to 18 NOV 2010

BOOKE EIGHT ARRIVAL (BOOKE.BOOKE8)
HONOLULU, HAWAII
HONOLULU INTL (HNL) (PHNL)
10266

HONOLULU ONE DEPARTURE (OBSTACLE)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



TAKE-OFF MINIMUMS:

RWYS 22L/R, 26R: Standard.
RWYS 4L/R: Standard with minimum climb of 425 feet per NM to 1900, do not exceed 180 KIAS until southeast bound on 155° heading, or 1700-2½ for climb in visual conditions.
RWY 8L: Standard with minimum climb of 310 feet per NM to 1000, or 1700-2½ for climb in visual conditions.
RWY 8R: Standard with minimum climb of 270 feet per NM to 1000, or 1700-2½ for climb in visual conditions.
RWY 26L: Standard with minimum climb of 237 feet per NM to 300, or 1700-2½ for climb in visual conditions.

(NARRATIVE ON FOLLOWING PAGE) NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 4L/R, 8L/R: Climbing right turn to 3000 via heading 155° to intercept HNL R-125 to HAUNA INT before proceeding on course, or....
TAKE-OFF RUNWAYS 22L/R, 26L/R: Climbing left turn to 3000 via heading 140° to intercept HNL R-171 to ALANA INT before proceeding on course, or....

....For climb in visual conditions to cross HNL VORTAC southbound at 1600, continue climb to 3000 via HNL R-171 to ALANA INT before proceeding on course.

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

TAKE-OFF OBSTACLE NOTES:

RWY 4L: Multiple lights beginning 630 feet from DER, 236 feet left of centerline, 102 feet right of centerline, up to 84 feet AGL/92 feet MSL. Light on bldg 669 feet from DER, 394 feet left of centerline, 29 feet AGL/37 feet MSL. Stack on bldg 2,488 feet from DER, 219 feet right of centerline, 72 feet AGL/80 feet MSL. Multiple trees beginning 1,253 feet from DER, 209 feet left of centerline, 935 feet right of centerline, up to 64 feet AGL/72 feet MSL. Bush 450 feet from DER, 234 feet left of centerline, 14 feet AGL/22 feet MSL.

RWY 4R: Stack on bldg, 2,442 feet from DER, 283 feet left of centerline, 72 feet AGL/80 feet MSL. Multiple trees beginning 1,206 feet from DER, 711 feet left of centerline, 433 feet right of centerline, up to 64 feet AGL/72 feet MSL. Multiple lights beginning 1,072 feet from DER, 399 feet left of centerline, 504 feet right of centerline, up to 36 feet AGL/44 feet MSL. Pole 2,110 feet from DER, 951 feet left of centerline, 59 feet AGL/67 feet MSL.

RWY 22L: Multiple bushes beginning 265 feet from DER, 396 feet right of centerline, 17 feet AGL/31 feet MSL. Tree 1,065 feet from DER, 499 feet right of centerline, 30 feet AGL/38 feet MSL.

RWY 22R: Rod on OL ASR 1,451 feet from DER, 827 feet right of centerline, 76 feet AGL/84 feet MSL. Tree 853 feet from DER, 308 feet right of centerline, 43 feet AGL/51 feet MSL.

RWY 26L: Ship 6,683 feet from DER, on centerline, 208 feet AGL/208 feet MSL.

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HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION*
HONOLULU, HI		
HONOLULU INTL (HNL) (PHNL)	HS 1	Rwy 08L and Twy C.
	HS 2	Rwy 04R, Rwy 04L-22R, Rwy 08L-26R and Twy K.
	HS 3	Rwy 08L-26R, Twy E and Twy B.
	HS 4	Rwy 08L, Twy A, Twy V, Twy T, Twy RB, and Twy M.
	HS 5	Area not visible from twr.
KAHULUI, HI		
KAHULUI (OGG) (PHOG)	HS 1	Rwy 05, Twy A, Twy F, and Twy G.
	HS 2	Rwy 02-20, Twy E and the ramp.
KAUNAKAKAI, HI		
MOLOKAI (MKK)(PHMK)	HS 1	Area not visible from control twr.

*See appropriate A/FD, Alaska or Pacific Supplement HOT SPOT table for additional information.

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LOC/DME I-IUM	APP CRS	Rwy ldg	9000
110.5	042°	TDZE	9
Chan 42		Apt Elev	13

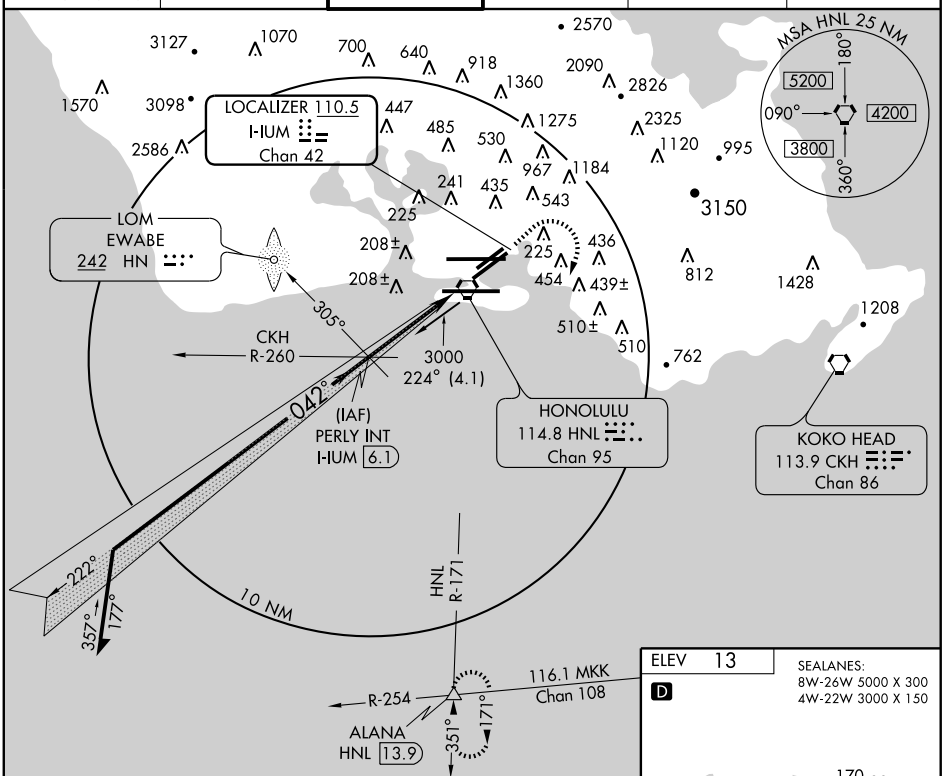
ILS RWY 4R
HONOLULU INTL (HNL) (PHNL)

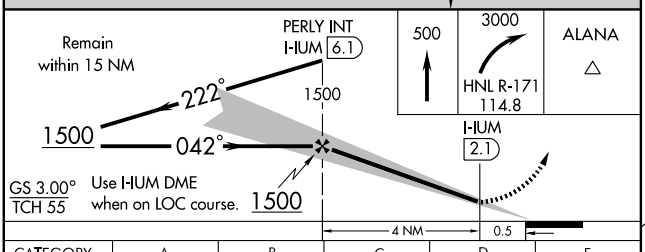
Cat. A, B, C circling not authorized northwest of airport between Rwys 8L-26R and 4L- 22R. Cat. D, E circling not authorized north of Rwy 8L-26R. For inoperative MALSR, increase S-ILS-4R Cat. E visibility to 1¼ and S-LOC-4R visibility to 1½ .

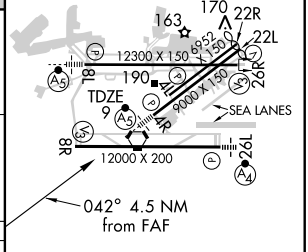
MALSR A5

MISSED APPROACH: Climb to 500 then climbing right turn to 3000 via HNL R-171 to ALANA Int/HNL 13.9 DME and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8







CATEGORY	A	B	C	D	E
S-ILS 4R	209-½ 200 (200-½)				359-1 350 (400-1)
S-LOC 4R	460-½ 451 (500-½)		460-¾ 451 (500-¾)	460-1 451 (500-1)	
CIRCLING	620-1 607 (700-1)		620-1¾ 607 (700-1¾)	760-2½ 747 (800-2½)	1500-3 1487 (1500-3)

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

FAF to MAP 4 NM					
Knots	60	90	120	150	180
Min:Sec	4:00	2:40	2:00	1:36	1:20

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LOC I-HNL	APP CRS	Rwy ldg 12300
111.7	079°	TDZE 13
		Apt Elev 13

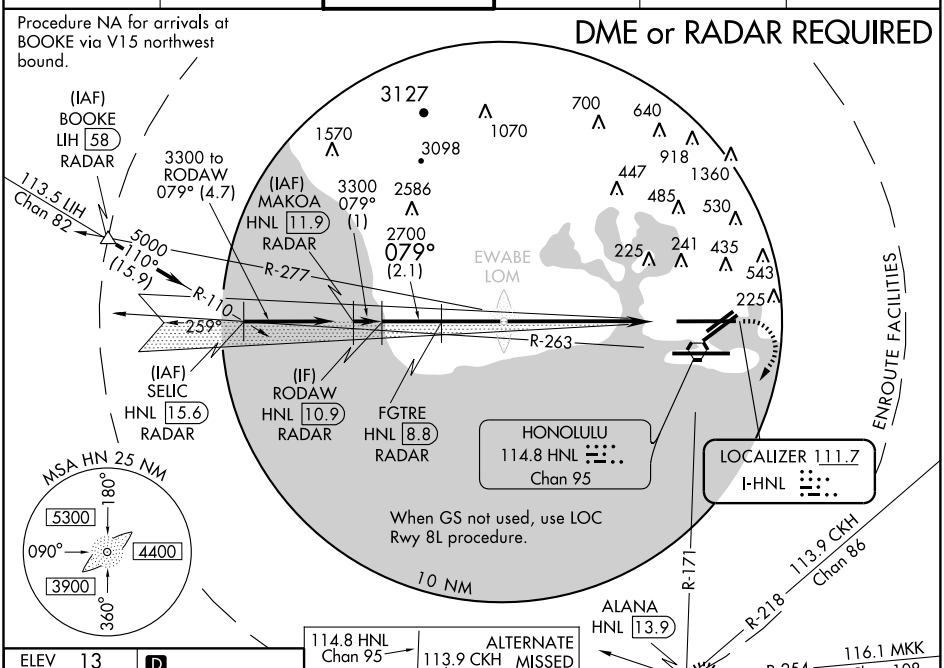
ILS RWY 8L
HONOLULU INTL (HNL) (PHNL)

DME from HNL VORTAC. Simultaneous reception of I-HNL and HNL DME required.

MALSR

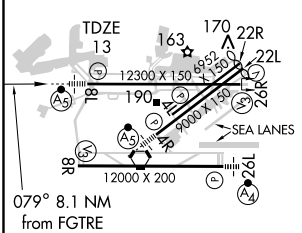
MISSED APPROACH: Climb to 500 then climbing right turn to 5000 via HNL VORTAC R-171 to ALANA Int/HNL 13.9 DME and hold, continue climb-in-hold to 5000, or as directed by ATC.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8



ELEV 13	D

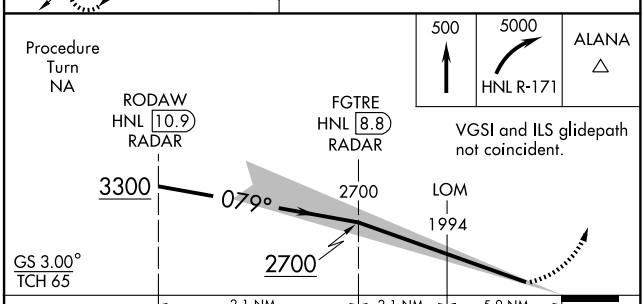
SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150



MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

Procedure Turn NA

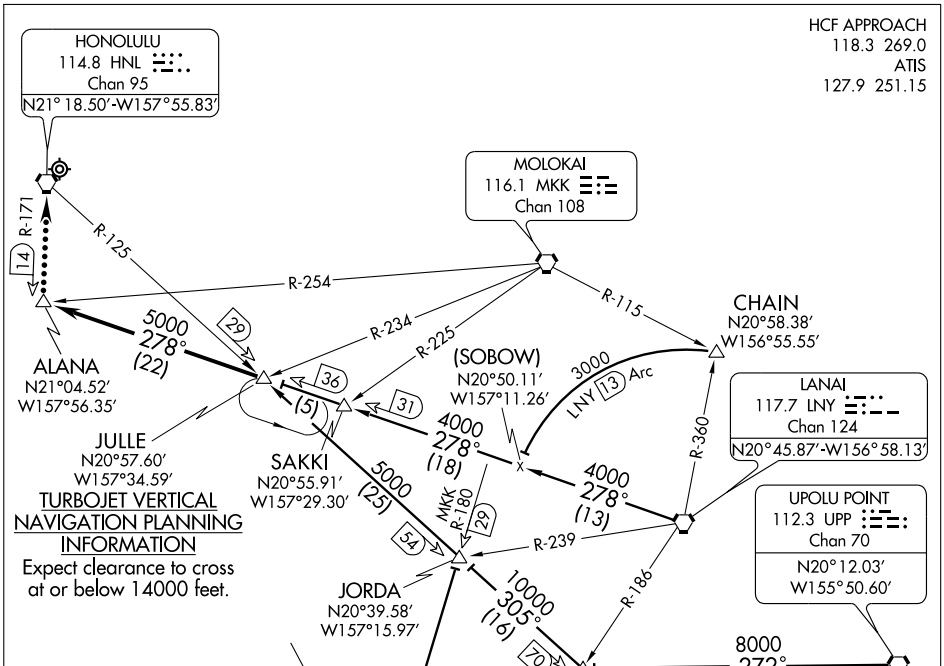
500	5000 HNL R-171	ALANA



CATEGORY	A	B	C	D
S-ILS 8L	213-½ 200 (200-½)			

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

JULLE FOUR ARRIVAL (JULLE.JULLE4)



TURBOJET VERTICAL NAVIGATION PLANNING INFORMATION

Expect clearance to cross at or below 14000 feet.

PAC, 23 SEP 2010 to 18 NOV 2010

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CHAIN TRANSITION (CHAIN.JULLE4): From over CHAIN INT via LNY 13 DME Arc to intercept LNY R-278 to JULLE INT. Thence....

DOVRR TRANSITION (DOVRR.JULLE4): From over DOVRR INT via MKK R-180 to JORDA INT, thence via HNL R-125 to JULLE INT. Thence....

FIRES TRANSITION (FIRES.JULLE4): From over FIRES INT via HNL R-125 to JULLE INT. Thence....

LANAI TRANSITION (LNY.JULLE4): From over LNY VORTAC via LNY R-278 to JULLE INT. Thence....

UPOLU TRANSITION (UPP.JULLE4): From over UPP VORTAC via UPP R-272 and HNL R-125 to JULLE INT. Thence....

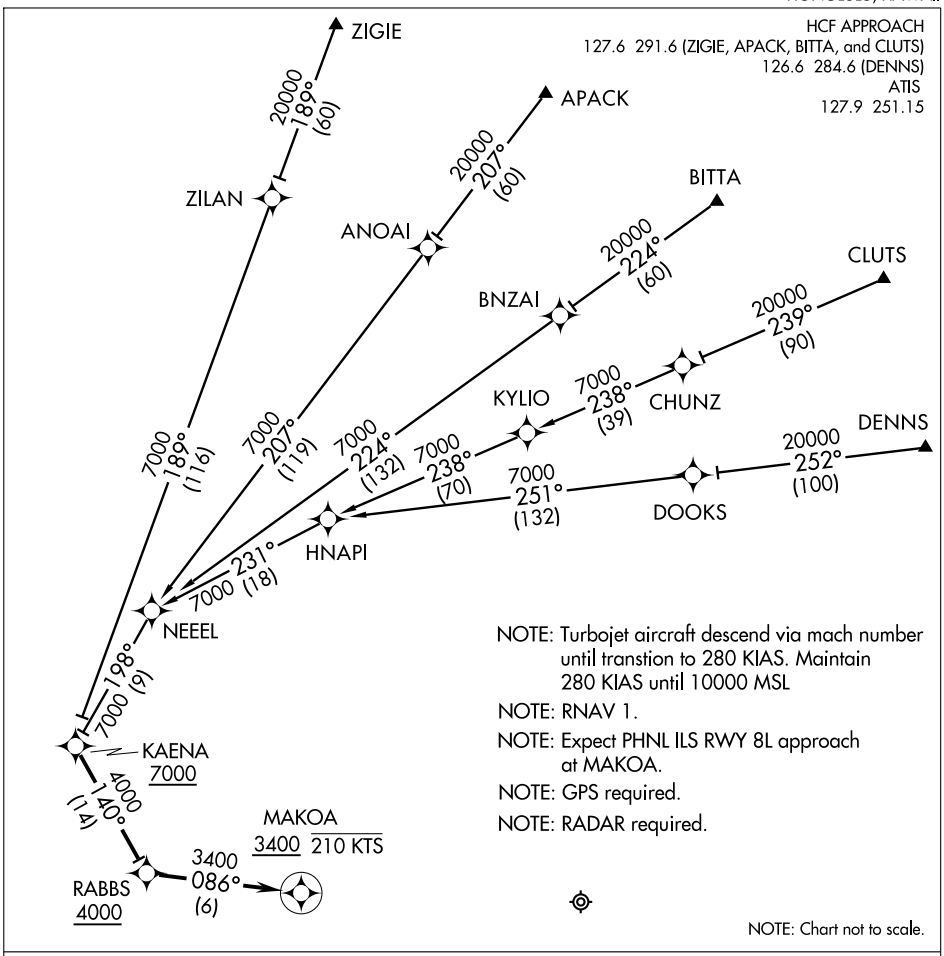
....From over JULLE INT via LNY R-278 to ALANA INT. Expect vectors to final approach course.

LOST COMMUNICATIONS: After ALANA INT via HNL R-171 to HNL VORTAC maintain 4000 feet.

KAENA ONE ARRIVAL (RNAV)

ST-754 (FAA)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



ARRIVAL DESCRIPTION

APACK TRANSITION (APACK.KAENA1)
BITTA TRANSITION (BITTA.KAENA1)
CLUTS TRANSITION (CLUTS.KAENA1)
DENNS TRANSITION (DENNS.KAENA1)
ZIGIE TRANSITION (ZIGIE.KAENA1)

From KAENA WP via 140° track to RABBS WP then via 086° track to MAKOA WP, cross RABBS at/above 4000, cross MAKOA at/above 3400 at/below 210 knots. Expect PHNL ILS Rwy 8L approach.

LOST COMMUNICATIONS: Descend via the KAENA Arrival, at MAKOA cleared PHNL ILS RWY 8L approach.

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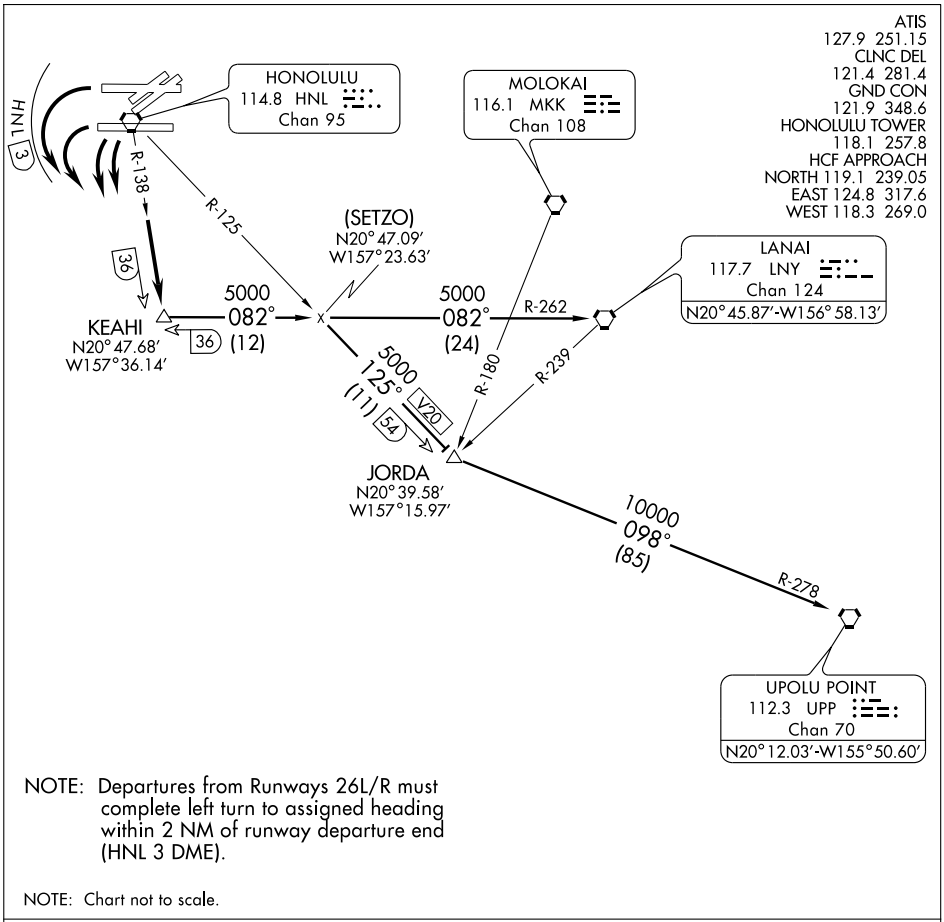
KAENA ONE ARRIVAL (RNAV)
(KAENA.KAENA1) 10210
HONOLULU, HAWAII
HONOLULU INTL (HNL) (PHNL)

KEAHI THREE DEPARTURE (KEAHI3.KEAHI)



NOTE: Departures from Runways 26L/R must complete left turn to assigned heading within 2 NM of runway departure end (HNL 3 DME).

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 22/26 ONLY: Turn left to heading assigned by tower, expect radar vectors to intercept HNL R-138; then via HNL R-138 to KEAHI INT, maintain 5000′; then via (transition). Expect clearance to enroute altitude/flight level at JORDA INT or LNY VORTAC.

JORDA TRANSITION (KEAHI3.JORDA): From over KEAHI INT via LNY R-262 and HNL R-125 to JORDA INT.

LANAI TRANSITION (KEAHI3.LNY): From over KEAHI INT via LNY R-262 to LNY VORTAC.

UPOLU TRANSITION (KEAHI3.UPP): From over KEAHI INT via LNY R-262 and HNL R-125 to JORDA INT, thence via UPP R-278 to UPP VORTAC.

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KEAHI THREE DEPARTURE (KEAHI3.KEAHI)
HONOLULU, HAWAII
HONOLULU INTL (HNL) (PHNL)
07074

KEOLA TWO DEPARTURE (KEOLA2.KEOLA)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII

DEPARTURE ROUTE DESCRIPTION

Turn right/left to heading assigned by the Tower, expect vectors to KEOLA INT, maintain 5000′; then via transitions. Expect clearance to enroute altitude/flight level at KEOLA INT.

KATHS TRANSITION (KEOLA2.KATHS): Via HNL R-258 and SOK R-234 to KATHS INT.

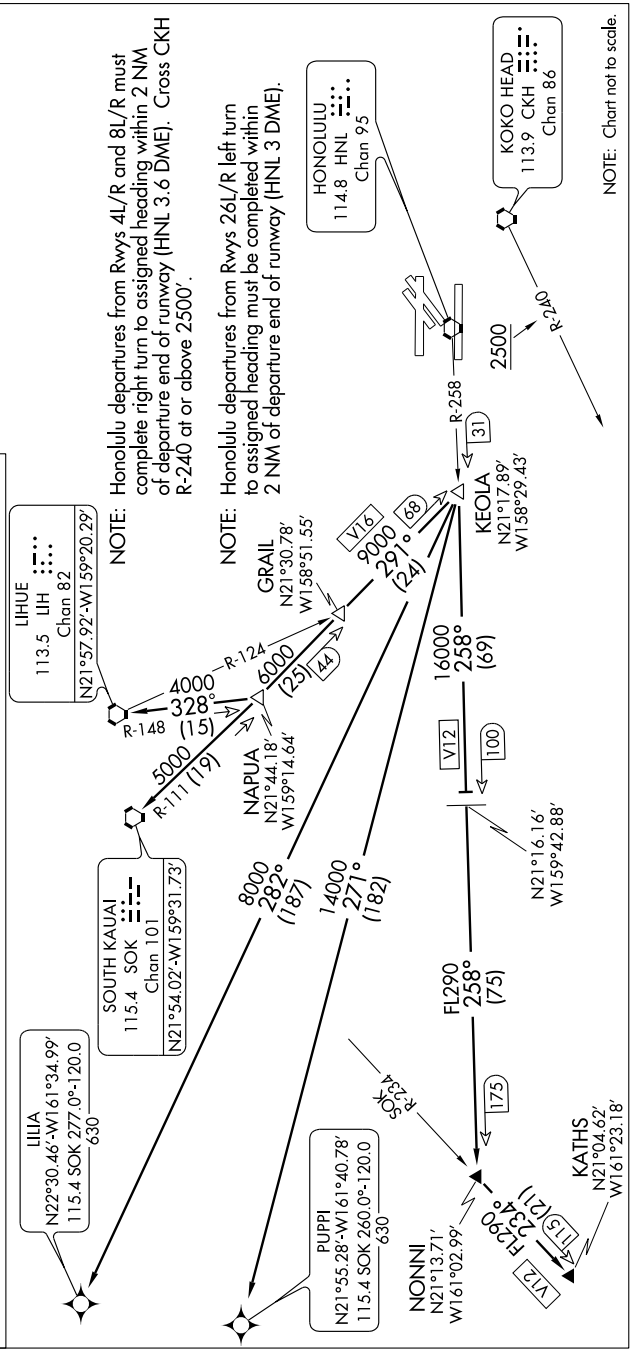
LIHUE TRANSITION (KEOLA2.LIH): Via SOK R-111 and LIH R-148 to LIH VORTAC.

LILIA TRANSITION (KEOLA2.LILIA): Via RNAV course 282° to LILIA WP.

NONNI TRANSITION (KEOLA2.NONNI): Via HNL R-258 to NONNI INT.

PUPPI TRANSITION (KEOLA2.PUPPI): Via RNAV course 271° to PUPPI WP.

SOUTH KAUAI TRANSITION (KEOLA2.SOK): Via SOK R-111 to SOK VORTAC.



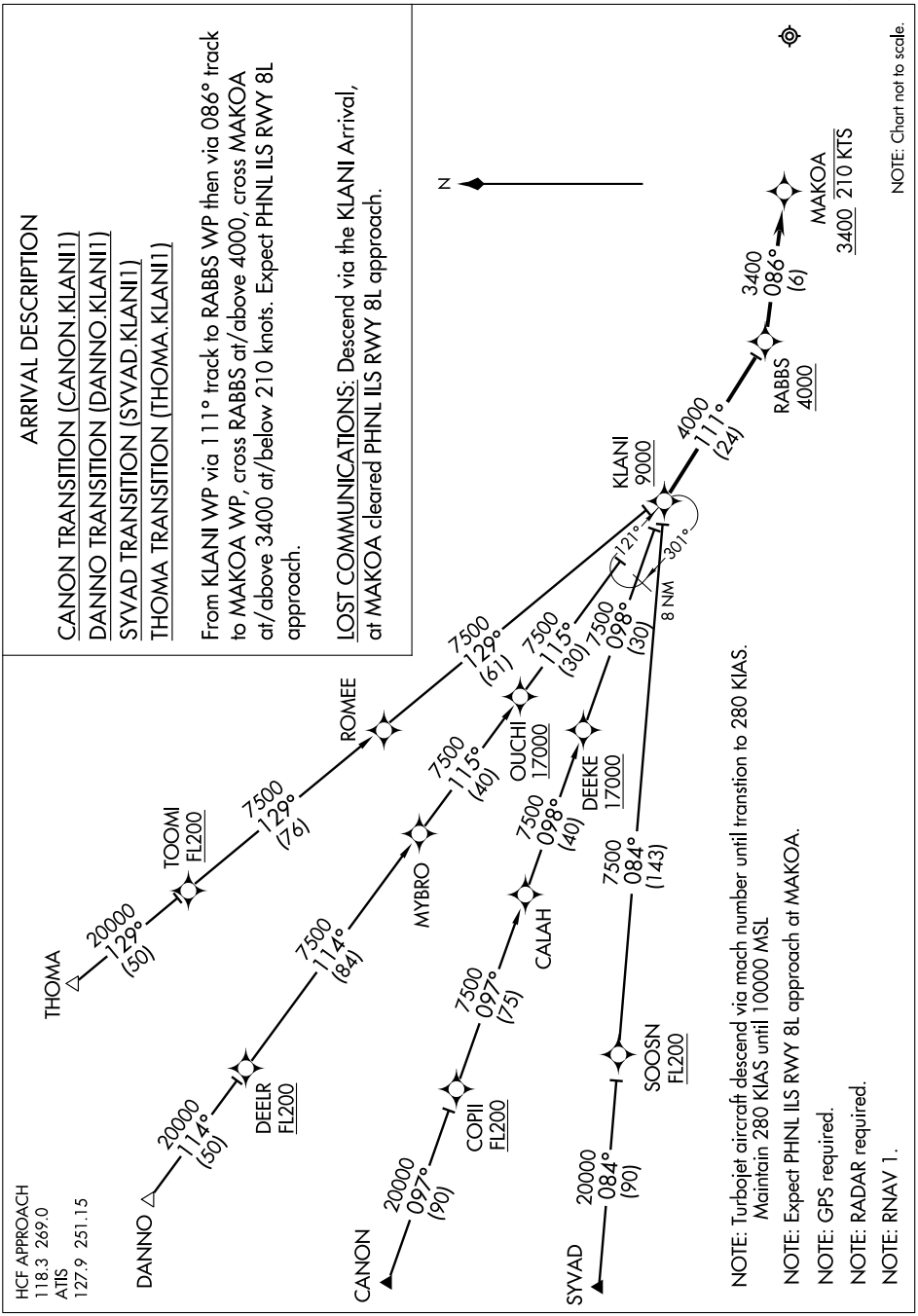
KEOLA TWO DEPARTURE (KEOLA2.KEOLA)
HONOLULU, HAWAII
HONOLULU INTL (HNL) (PHNL)
07186
PAC, 23 SEP 2010 to 18 NOV 2010

ARRIVAL DESCRIPTION

CANON TRANSITION (CANON.KLANI1)
DANNO TRANSITION (DANNO.KLANI1)
SYVAD TRANSITION (SYVAD.KLANI1)
THOMA TRANSITION (THOMA.KLANI1)

From KLANI WP via 111° track to RABBS WP then via 086° track to MAKOA WP, cross RABBS at/above 4000, cross MAKOA at/above 3400 at/below 210 knots. Expect PHNL ILS RWY 8L approach.

LOST COMMUNICATIONS: Descend via the KLANI Arrival, at MAKOA cleared PHNL ILS RWY 8L approach.



LAND AND HOLD SHORT OPERATIONS (LAHSO)

LAHSO is an acronym for "Land and Hold Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The Aeronautical Information Manual contains specific details on hold-short operations and markings.

CITY/AIRPORT	LDG RWY	HOLD SHORT POINT	MEASURED DISTANCE
HONOLULU, HI			
HONOLULU INTL (HNL) (PHNL)	04L	08L-26R	3,700 feet
	04R	08L-26R	6,250 feet
	08L	04L-22R	9,300 feet

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23 SEP 2010 to 18 NOV 2010

LOC/DME I-EPC	APP CRS	Rwy ldg 12000
109.1	304°	TDZE 10
Chan 28		Apt Elev 13

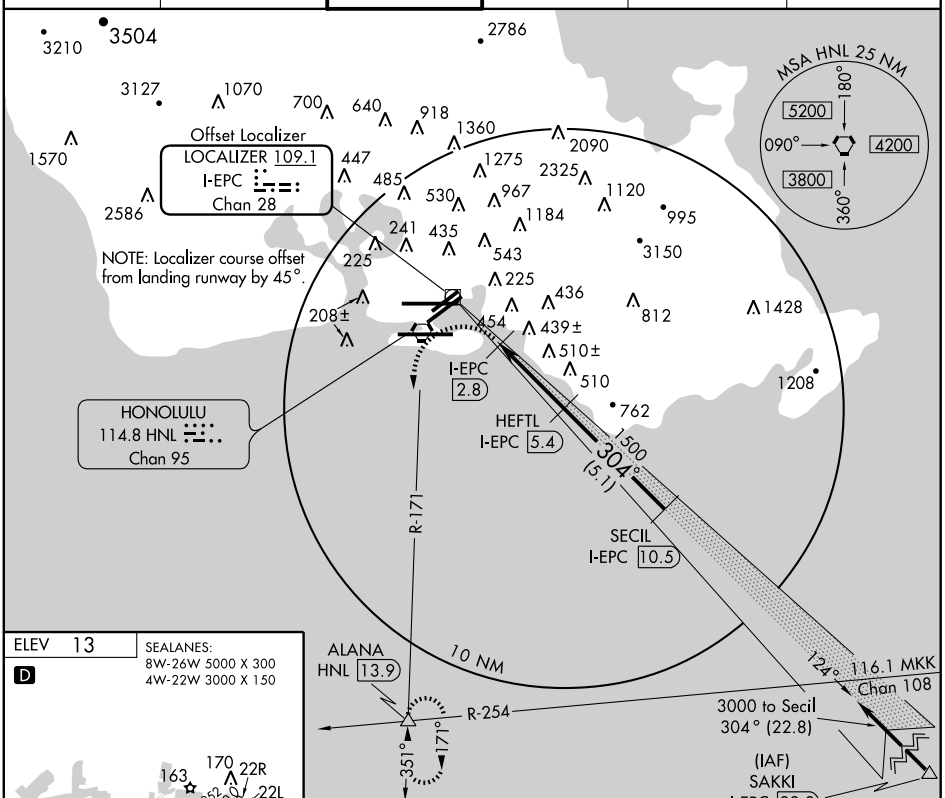
LDA/DME RWY 26L
HONOLULU INTL (HNL) (PHNL)

Cat. A, B, C circling not authorized northwest of airport between Rwys 8L/26R and 4L/22R. Cat. D, E circling not authorized north of Rwy 8L/26R.
Inoperative table does not apply to MALSF. Follow flasher lights to Rwy 26L. Procedure not authorized at night when MALSF inoperative.

MALSF

MISSED APPROACH: Climbing left turn to 3000 via HNL R-171 to ALANA Int/HNL 13.9 DME and hold.

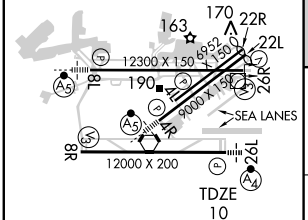
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8

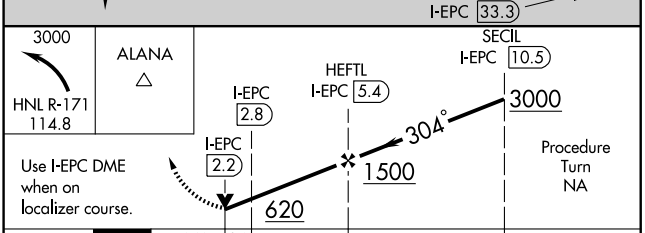


ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150





CATEGORY	A	B	C	D	E
S-26L	560-2 550 (600-2)				
CIRCLING	620-2 607 (700-2)			760-2½ 747 (800-2½)	1500-3 1487 (1500-3)

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

LOC I-HNL	APP CRS	Rwy ldg 12300
111.7	079°	TDZE 13
		Apt Elev 13

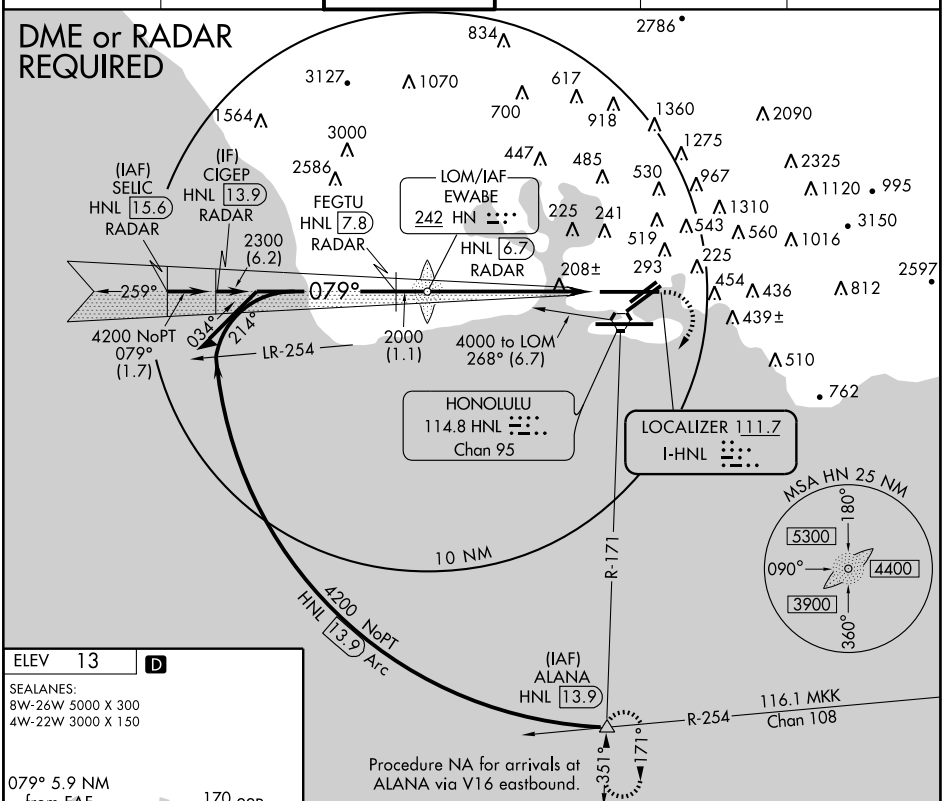
LOC RWY 8L
HONOLULU INTL (HNL) (PHNL)

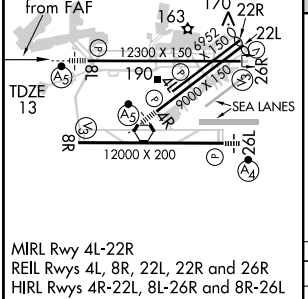
Circling NA for Cats A, B, and C northwest of Rwys 8L and 22R. Circling NA for Cat D north of Rwy 8L-26R.
DME from HNL VORTAC. Simultaneous reception of I-HNL and HNL DME required.

MALSR

MISSED APPROACH: Climbing right turn to 5000 via heading 200° and HNL VORTAC R-171 to ALANA Int/HNL 13.9 DME and hold, continue climb-in-hold to 5000.

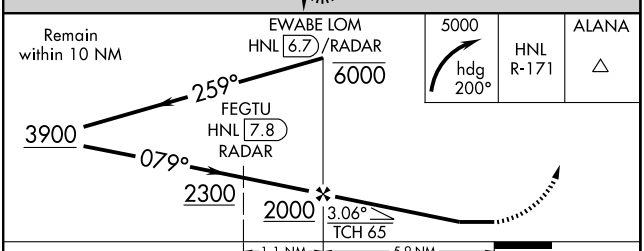
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8





MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58



CATEGORY	A	B	C	D
S-8L	460-½ 447 (500-½)		460-¾ 447 (500-¾)	460-1 447 (500-1)
CIRCLING	620-1 607 (700-1)		620-1¾ 607 (700-1¾)	820-2½ 807 (900-2½)

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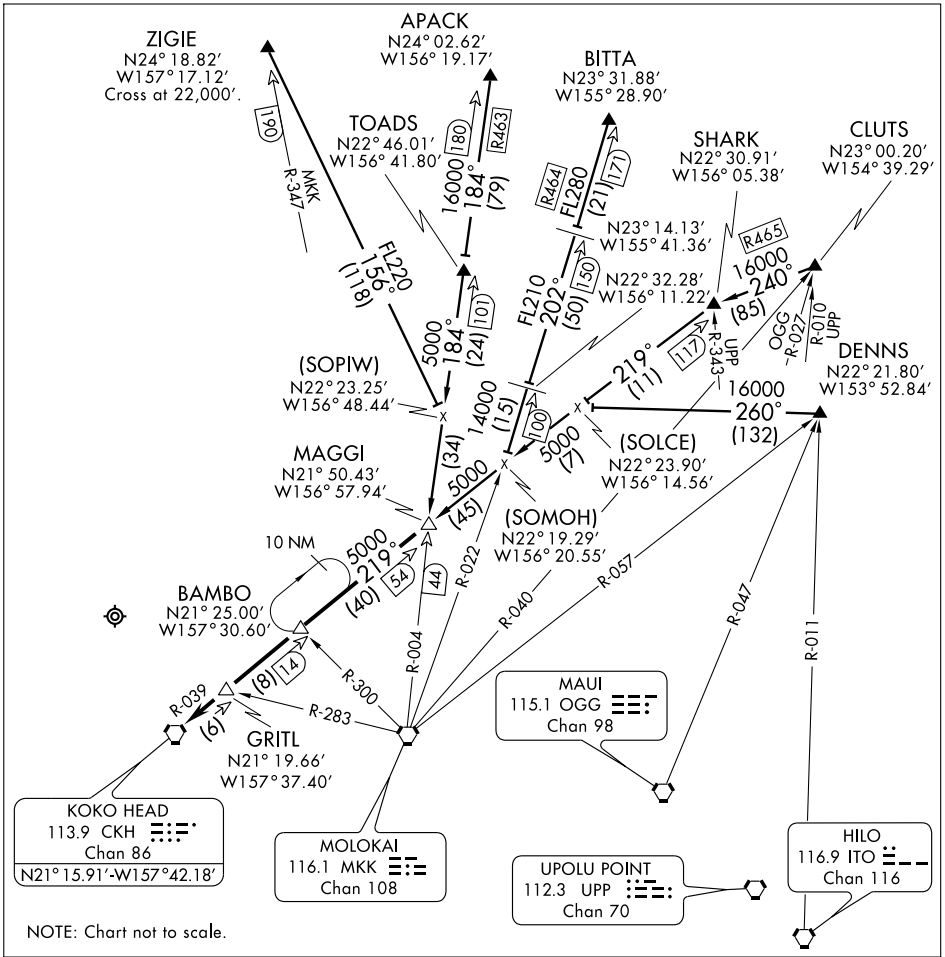
PAC, 23 SEP 2010 to 18 NOV 2010

MAGGI THREE ARRIVAL (MAGGI.MAGGI3)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



ARRIVAL DESCRIPTION

APACK TRANSITION (APACK.MAGGI3): From over APACK DME via MKK R-004 to MAGGI INT. Thence....

BITTA TRANSITION (BITTA.MAGGI3): From over BITTA DME via MKK R-022 to intercept CKH R-039 to MAGGI INT. Thence....

CLUTS TRANSITION (CLUTS.MAGGI3): From over CLUTS DME via heading 240° to intercept CKH R-039 to MAGGI INT. Thence....

DENNS TRANSITION (DENNS.MAGGI3): From over DENNS INT via heading 260° to intercept CKH R-039 to MAGGI INT. Thence....

ZIGIE TRANSITION (ZIGIE.MAGGI3): From over ZIGIE DME via heading 156° to intercept MKK R-004 to MAGGI INT. Thence....

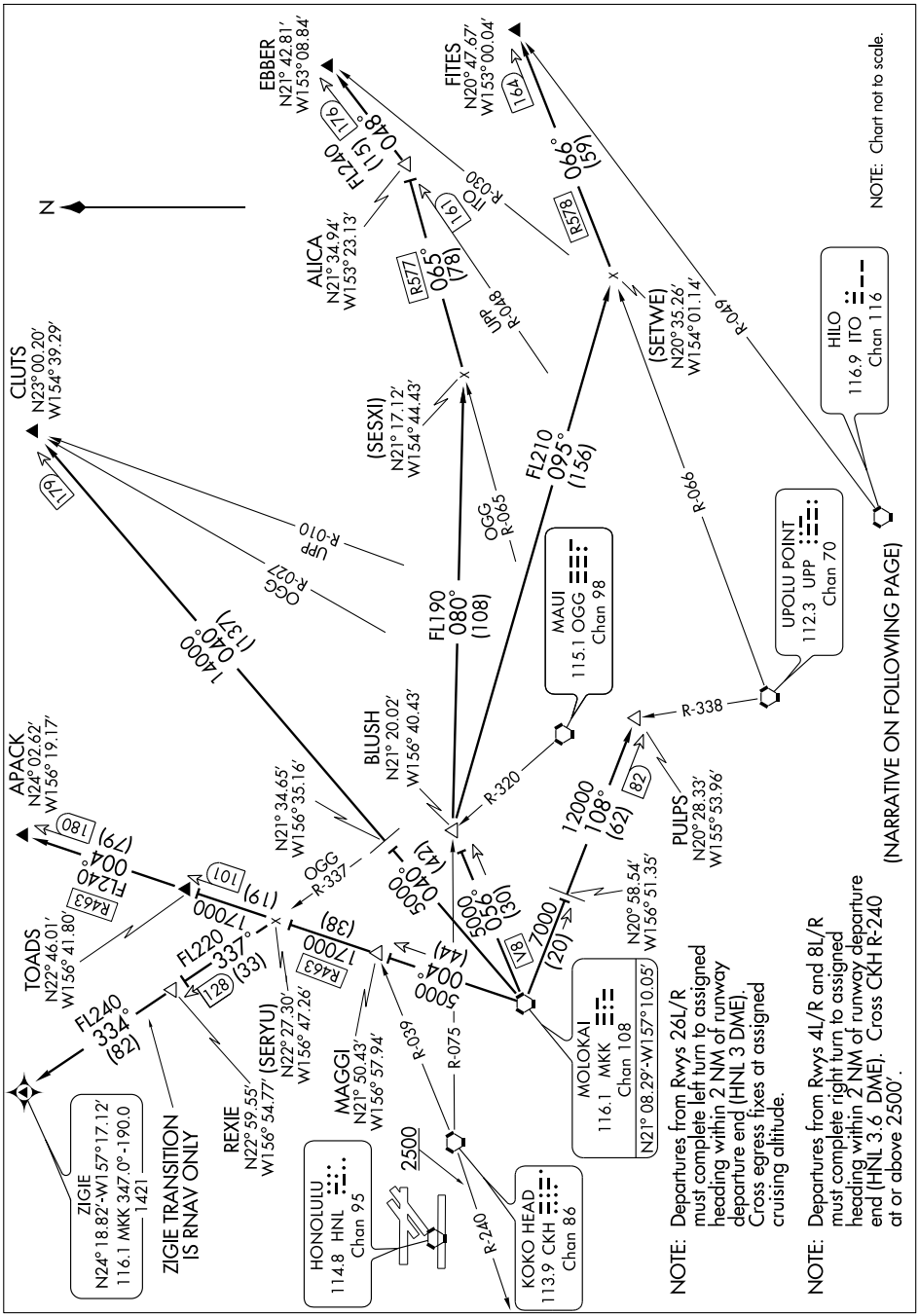
....From over MAGGI INT via CKH R-039 to CKH VORTAC then radar vectors for approach to airport.

PAC, 23 SEP 2010 to 18 NOV 2010

MAGGI THREE ARRIVAL (MAGGI.MAGGI3)
HONOLULU, HAWAII
HONOLULU INTL (HNL) (PHNL)
10154

MOLOKAI FOUR DEPARTURE (MKK4.MKK)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



PAC, 23 SEP 2010 to 18 NOV 2010

MOLOKAI FOUR DEPARTURE (MKK4.MKK)
HONOLULU, HAWAII
HONOLULU INTL (HNL) (PHNL)

DEPARTURE ROUTE DESCRIPTION

Turn right/left to heading as assigned by Tower, expect vectors to MKK VORTAC, maintain 5000'; then via (transition). Expect clearance to enroute altitude/flight level at MKK VORTAC. Cross egress fixes ZIGIE, APACK, CLUTS, EBBER, and FITES at assigned cruising altitude, unless otherwise advised by ATC.

APACK TRANSITION (MKK4.APACK): From over MKK VORTAC via MKK R-004 to APACK INT.

CLUTS TRANSITION (MKK4.CLUTS): From over MKK VORTAC via MKK R-040 to CLUTS INT.

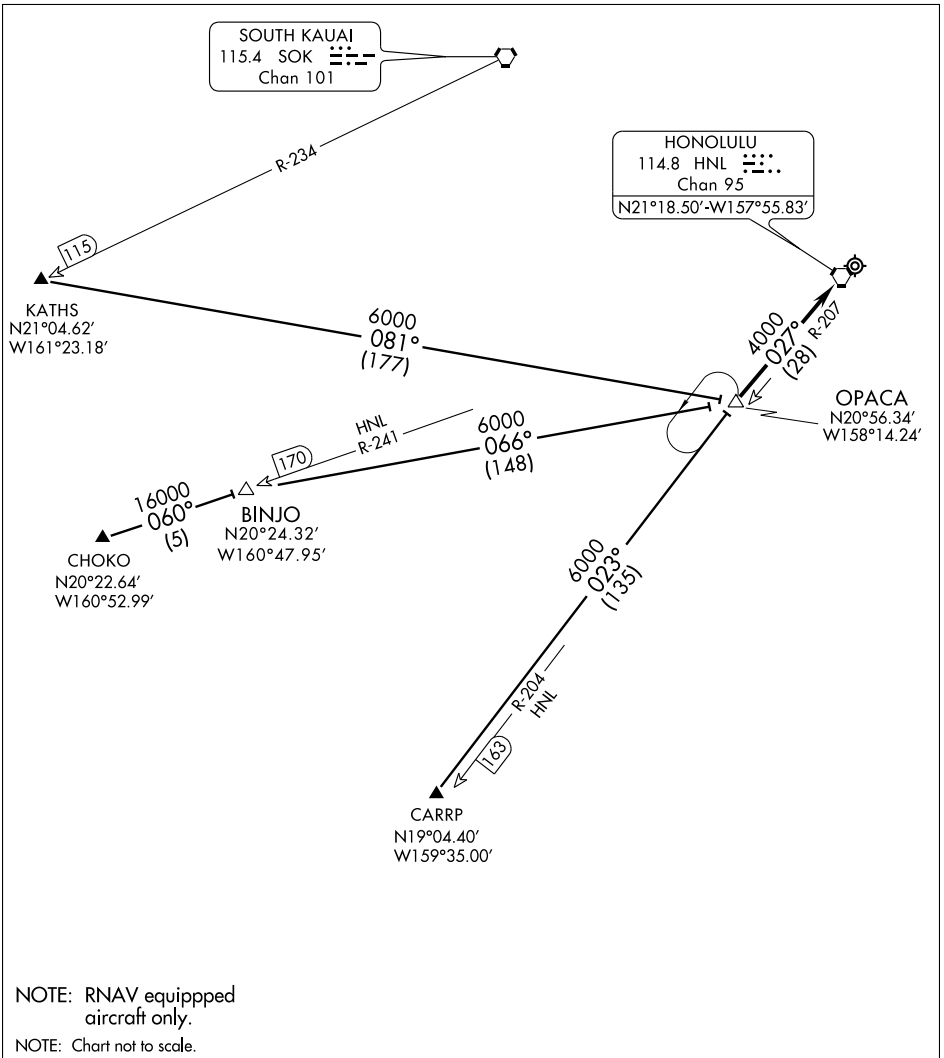
EBBER TRANSITION (MKK4.EBBER): From over MKK VORTAC via MKK R-056 to BLUSH INT then via 080° heading and R577 to EBBER INT.

FITES TRANSITION (MKK4.FITES): From over MKK VORTAC via MKK R-056 to BLUSH INT then via 095° heading and R578 to FITES INT.

PULPS TRANSITION (MKK4.PULPS): From over MKK VORTAC via MKK R-108 to PULPS INT.

ZIGIE TRANSITION (MKK4.ZIGIE): From over MKK VORTAC via MKK R-004 to intercept and proceed via OGG R-337 to REXIE DME. Then via RNAV heading 334° to ZIGIE WP.

OPACA FOUR ARRIVAL (OPACA.OPACA4)



NOTE: RNAV equippped aircraft only.

NOTE: Chart not to scale.

ARRIVAL DESCRIPTION

CARRP TRANSITION (CARRP.OPACA4): From over CARRP WP, RNAV direct to OPACA DME. Thence....

CHOKO TRANSITION (CHOKO.OPACA4): From over CHOKO WP, RNAV direct to BINJO DME, then direct to OPACA DME. Thence....

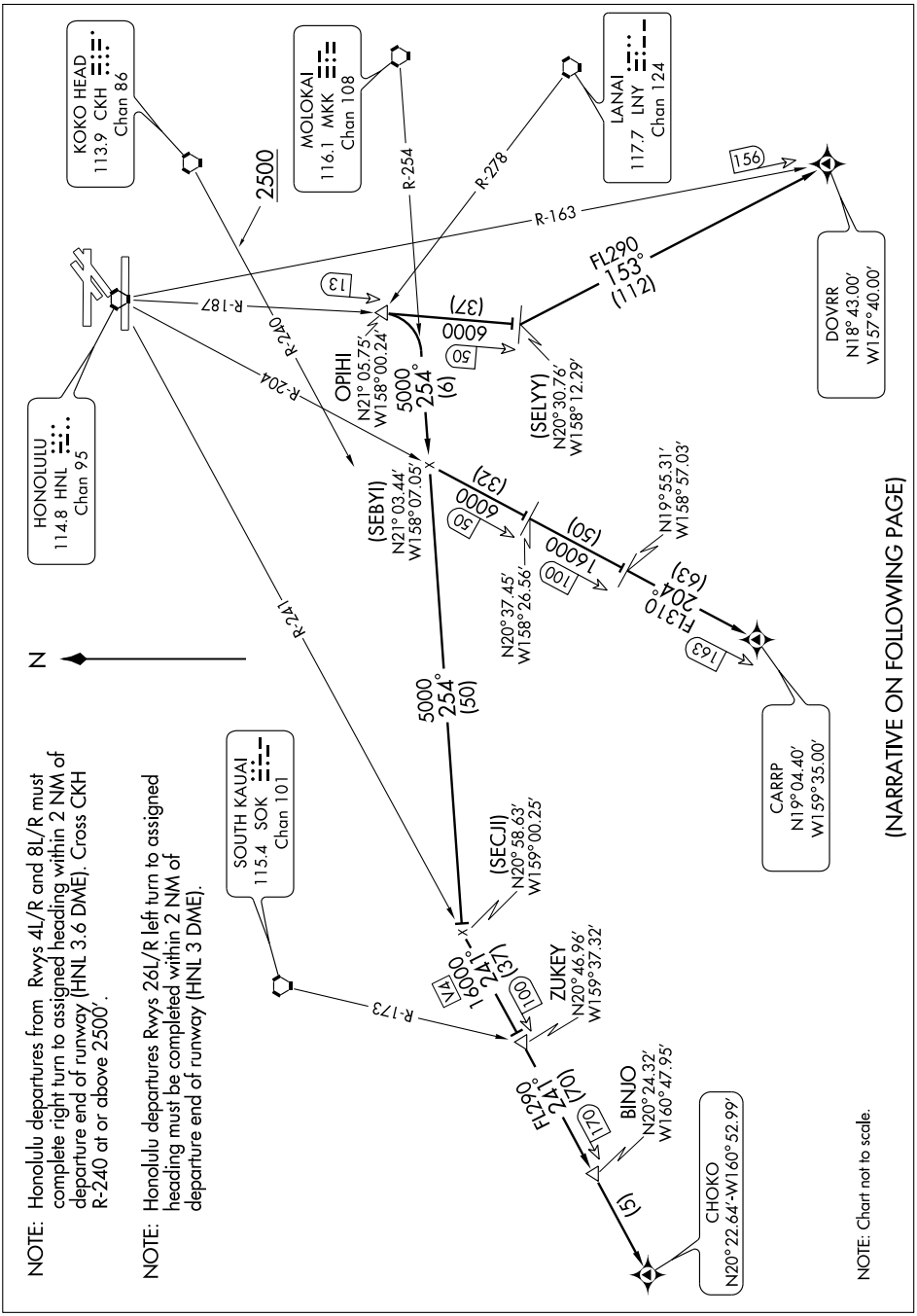
KATHS TRANSITION (KATHS.OPACA4): From over KATHS WP, RNAV direct to OPACA DME. Thence....

....From over OPACA DME via HNL R-207 to HNL VORTAC, expect radar vectors to final approach course.

PAC, 23 SEP 2010 to 18 NOV 2010

OPACA FOUR ARRIVAL (OPACA.OPACA4)
HONOLULU, HAWAII
HONOLULU INTL (HNL) (PHNL)
07018

OPIHI TWO DEPARTURE (OPIHI2.OPIHI)



NOTE: Honolulu departures from Rwys 4L/R and 8L/R must complete right turn to assigned heading within 2 NM of departure end of runway (HNL 3.6 DME). Cross CKH R-240 at or above 2500'.

NOTE: Honolulu departures Rwys 26L/R left turn to assigned heading must be completed within 2 NM of departure end of runway (HNL 3 DME).

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

PAC, 23 SEP 2010 to 18 NOV 2010

OPIHI TWO DEPARTURE (OPIHI2.OPIHI)

HONOLULU, HAWAII
HONOLULU INTL (HNL) (PHNL)

T

DEPARTURE ROUTE DESCRIPTION

Turn right/left to heading assigned by tower, expect vectors to OPIHI INT, maintain 5000'; then via (transition). Expect clearance to enroute altitude/flight level at OPIHI INT.

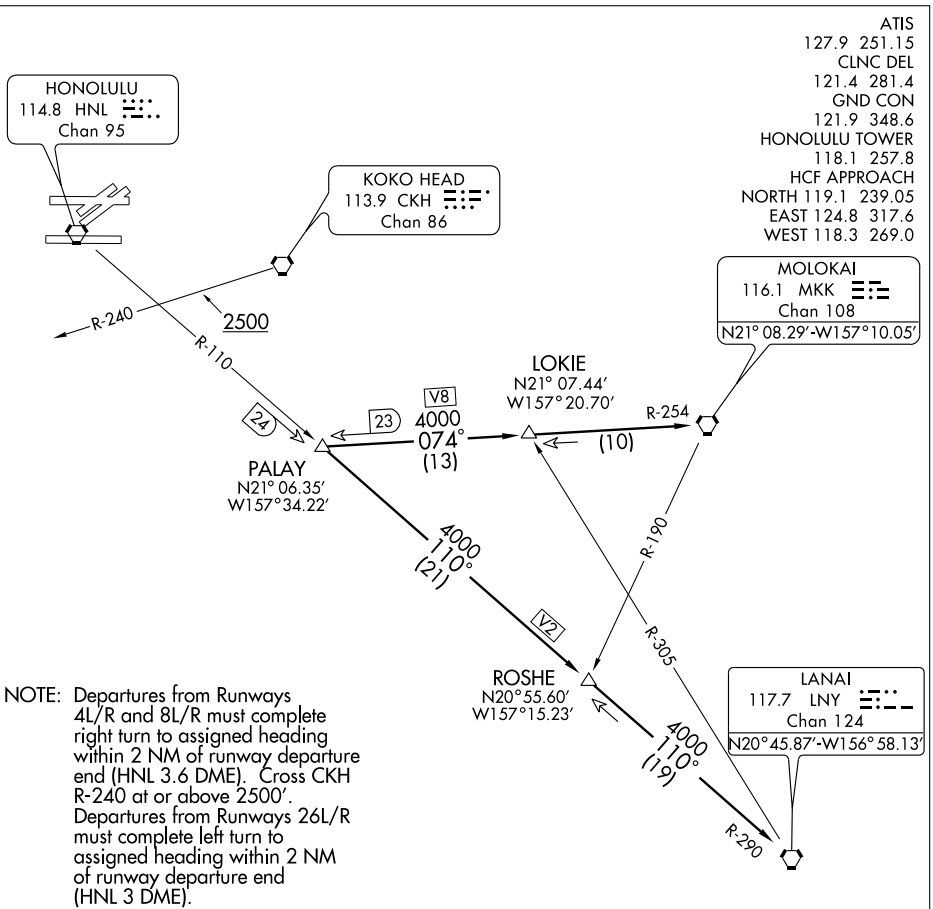
CARRP TRANSITION (OPIHI2.CARRP): From over OPIHI INT via right turn to intercept MKK R-254 to HNL R-204, then via HNL R-204 to HNL 100 DME, then via course 204° to CARRP WP.

CHOKO TRANSITION (OPIHI2.CHOKO): From over OPIHI INT via right turn to intercept MKK R-254 to HNL R-241 to BINJO DME, then via course 241° to CHOKO WP.

DOVRR TRANSITION (OPIHI2.DOVRR): From over OPIHI INT via HNL R-187 to HNL 50 DME, then via left turn heading 153° RNAV course to DOVRR WP.

PAC, 23 SEP 2010 to 18 NOV 2010

PALAY TWO DEPARTURE (PALAY2.PALAY)



NOTE: Departures from Runways 4L/R and 8L/R must complete right turn to assigned heading within 2 NM of runway departure end (HNL 3.6 DME). Cross CKH R-240 at or above 2500′. Departures from Runways 26L/R must complete left turn to assigned heading within 2 NM of runway departure end (HNL 3 DME).

NOTE: Chart not to scale.

T

DEPARTURE ROUTE DESCRIPTION

Turn right/left to heading as assigned by tower, expect vectors to PALAY INT, maintain 5000′; then via (transition). Expect clearance to enroute altitude/flight level at LNY VORTAC.

LANAI TRANSITION (PALAY2.LNY): From over PALAY INT via HNL R-110 and LNY R-290 to LNY VORTAC.

MOLOKAI TRANSITION (PALAY2.MKK): From over PALAY INT via MKK R-254 to MKK VORTAC.

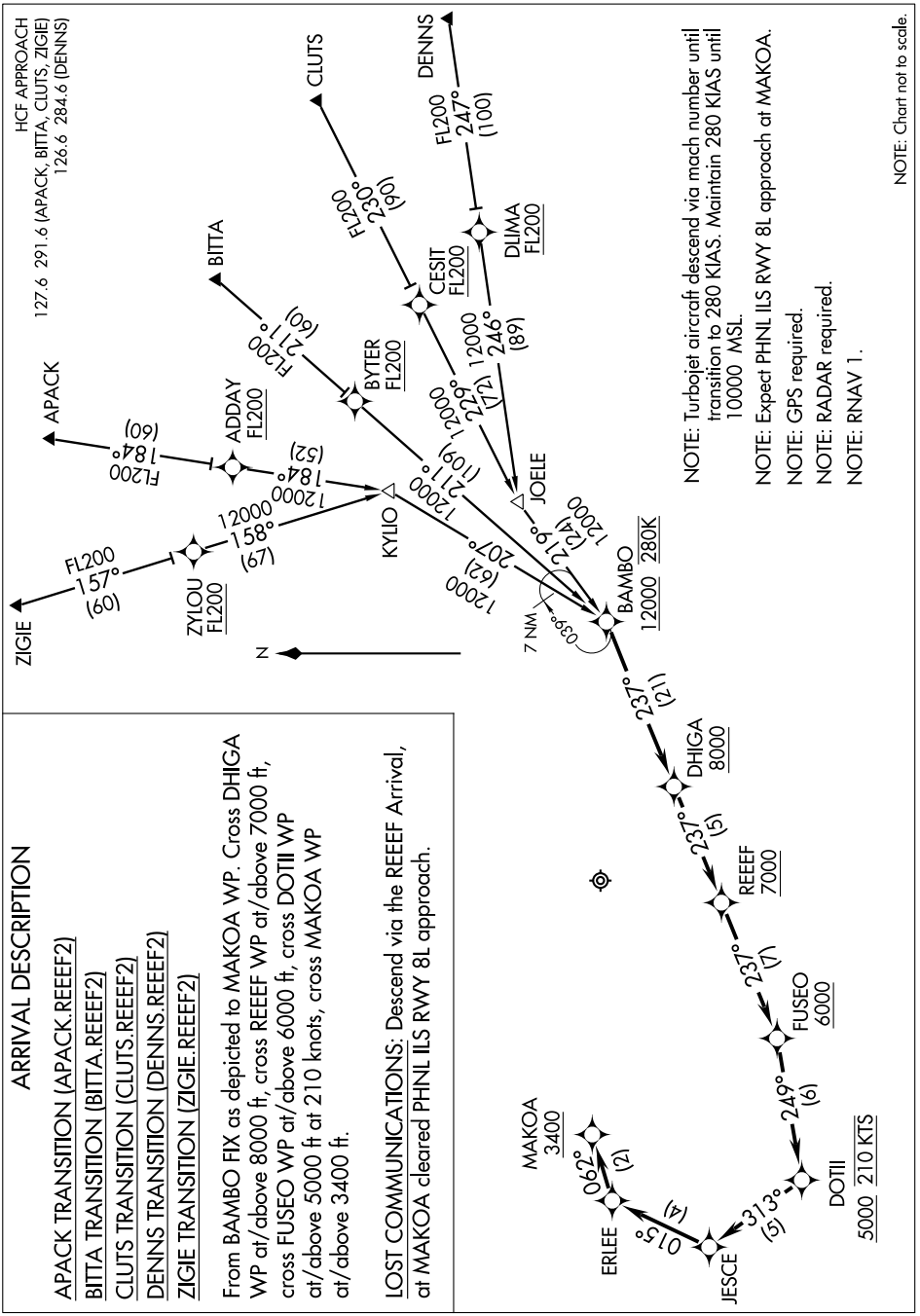
PAC, 23 SEP 2010 to 18 NOV 2010

PALAY TWO DEPARTURE (PALAY2.PALAY)
HONOLULU, HAWAII
HONOLULU INTL (HNL) (PHNL)
07074

REEEF TWO ARRIVAL (RNAV)

ST-754 (FAA)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



NOTE: Turbojet aircraft descend via mach number until transition to 280 KIAS. Maintain 280 KIAS until 10000 MSL.

NOTE: Expect PHNL ILS RWY 8L approach at MAKOA.

NOTE: GPS required.

NOTE: RADAR required.

NOTE: RNAV 1.

NOTE: Chart not to scale.

ARRIVAL DESCRIPTION

APACK TRANSITION (APACK.REEEF2)
BITTA TRANSITION (BITTA.REEEF2)
CLUTS TRANSITION (CLUTS.REEEF2)
DENNS TRANSITION (DENINS.REEEF2)
ZIGIE TRANSITION (ZIGIE.REEEF2)

From BAMBO FIX as depicted to MAKOA WP. Cross DHIGA WP at/above 8000 ft, cross REEEF WP at/above 7000 ft, cross FUSEO WP at/above 6000 ft, cross DOTII WP at/above 5000 ft at 210 knots, cross MAKOA WP at/above 3400 ft.

LOST COMMUNICATIONS: Descend via the REEEF Arrival, at MAKOA cleared PHNL ILS RWY 8L approach.

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

REEEF TWO ARRIVAL (RNAV)

HONOLULU, HAWAII
HONOLULU INTL (HNL) (PHNL)

(REEEF.REEEF2) 10266

APP CRS	Rwy ldg	6398
042°	TDZE	10
	Apt Elev	13

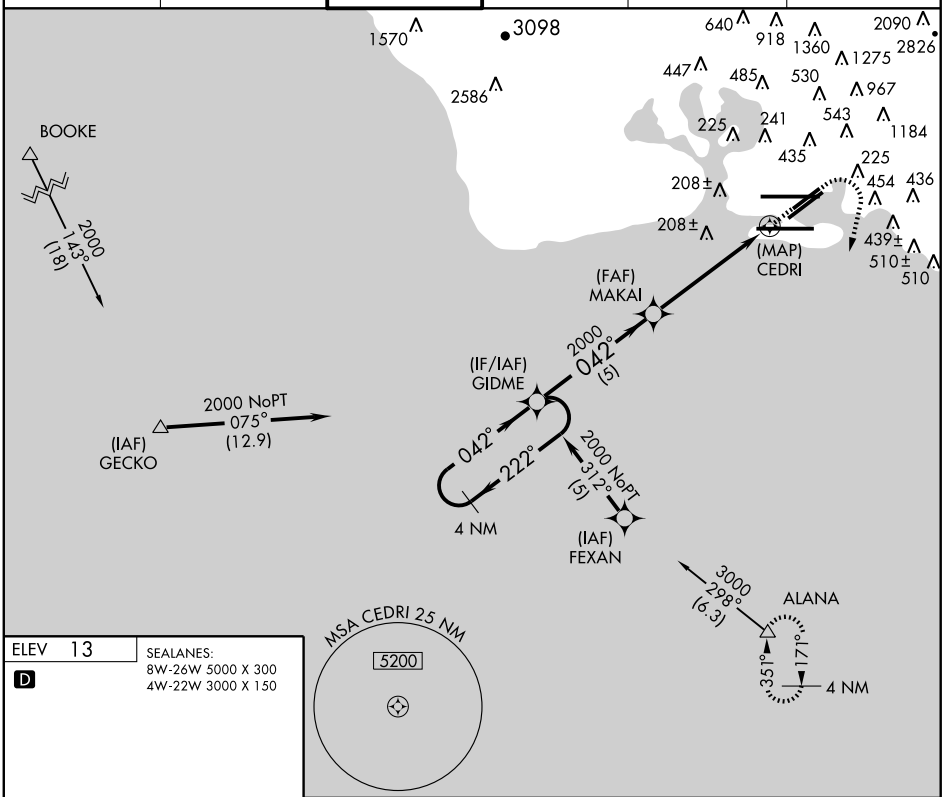
RNAV (GPS) RWY 4L
HONOLULU INTL (HNL) (PHNL)

T NA

GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Cats. A, B, C circling not authorized northwest of airport between Rwys 8L-26R and 4L-22R. Cats. D, E circling not authorized north of Rwy 4L-22R.

MISSED APPROACH: Climb to 500 then climbing right turn to 3000 direct to ALANA WP and hold.

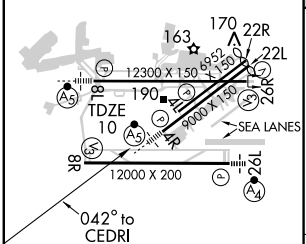
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8

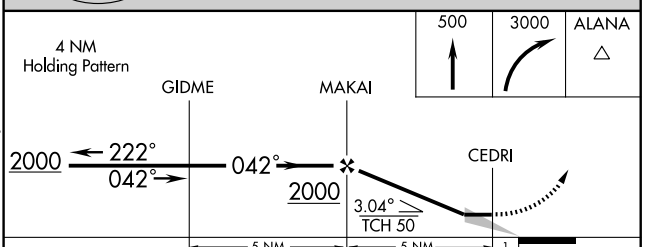


ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150





MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

CATEGORY	A	B	C	D	E
LNAV MDA	460-1¼ 450 (500-1¼)			460-1½ 450 (500-1½)	
CIRCLING	620-1¼ 607 (700-1¼)		620-1¾ 607 (700-1¾)	820-2½ 807 (900-2½)	1500-3 1487 (1500-3)

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

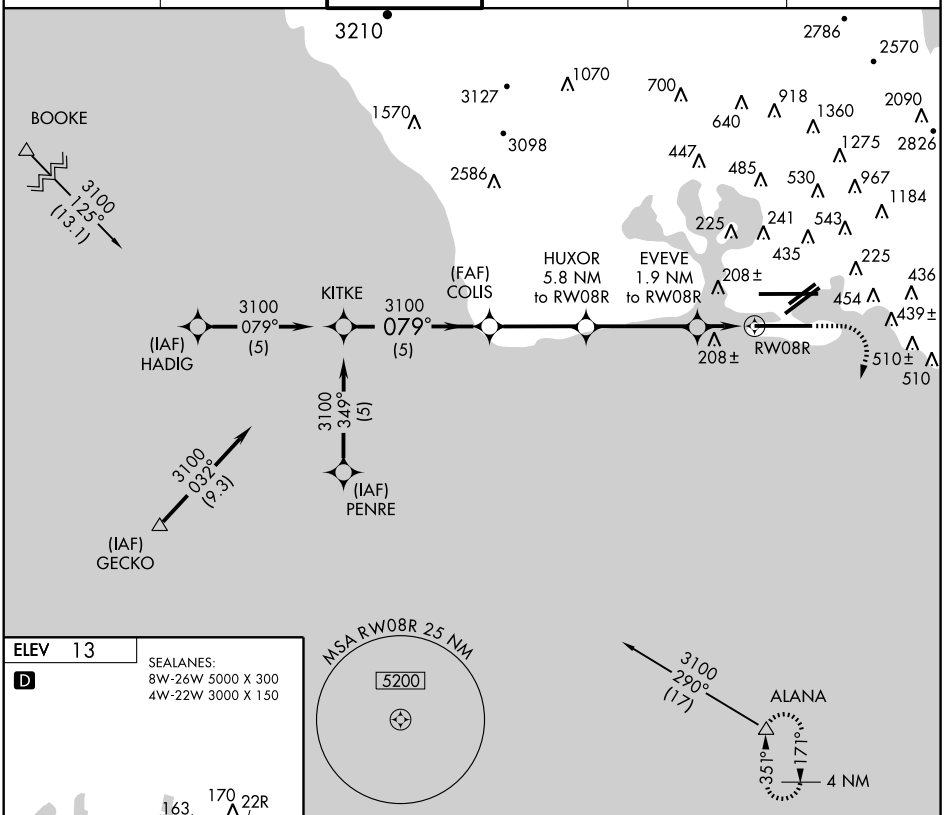
APP CRS	Rwy ldg	12000
079°	TDZE	10
	Apt Elev	13

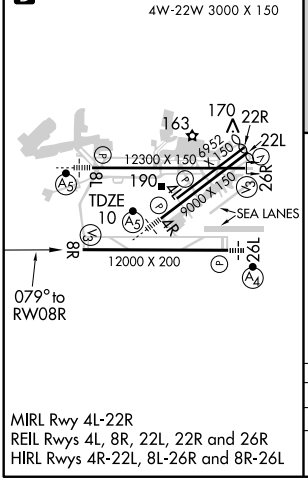
RNAV (GPS) RWY 8R
HONOLULU INTL (HNL) (PHNL)

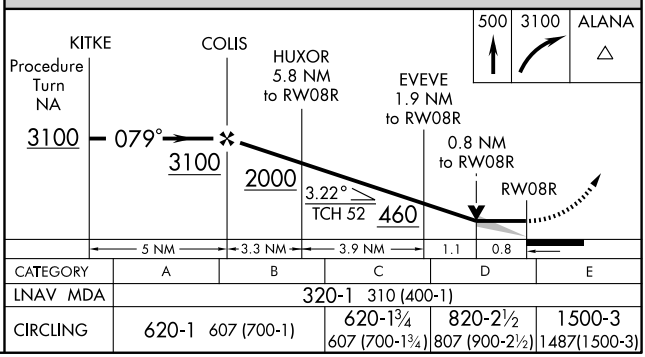
T NA Cat. A, B, C circling NA northwest of airport between Rwys 8L-26R and 4L-22R. Cat. D, E circling NA north of Rwy 4L-22R.
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 500 then climbing right turn to 3100 direct ALANA WP and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8







CATEGORY	A	B	C	D	E
LNAV MDA	320-1 310 (400-1)				
CIRCLING	620-1 607 (700-1)		620-1¾ 607 (700-1¾)	820-2½ 807 (900-2½)	1500-3 1487(1500-3)

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	9000
042°	TDZE	9
	Apt Elev	13

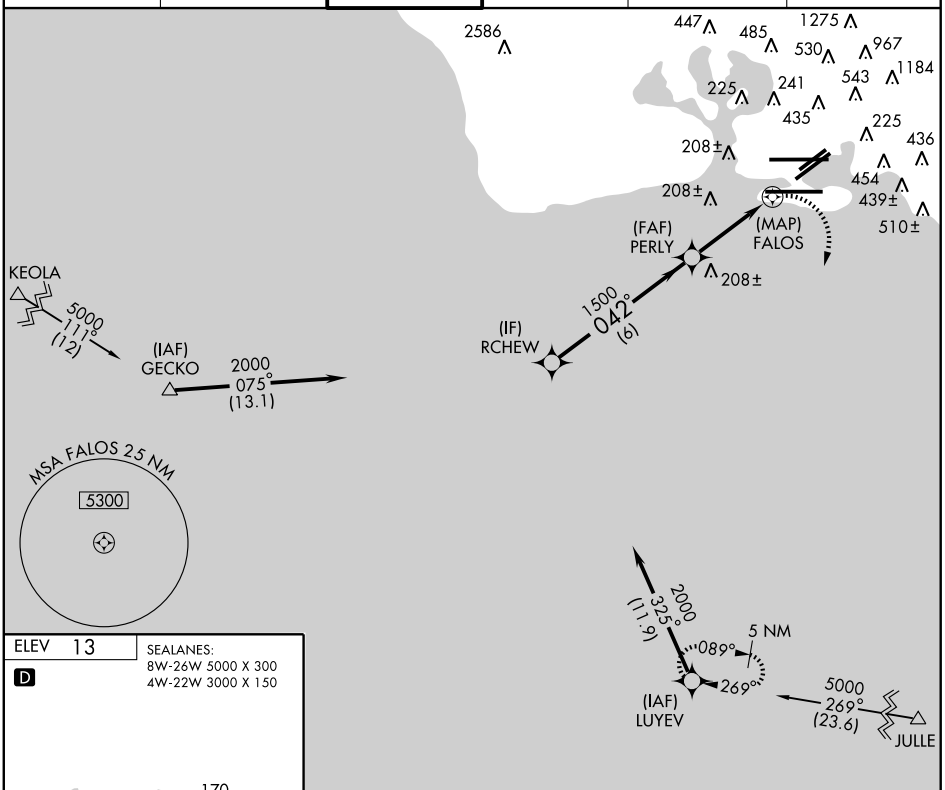
RNAV (GPS) Y RWY 4R
HONOLULU INTL (HNL) (PHNL)

DME/DME RNP-0.3 NA. For inoperative MALSR increase Cat E visibility to 1½. Cat A,B,C circling NA NW of airport between Rwys 8L-26R and 4L-22R.
Cat D, E circling NA N of Rwy 8L-26R.

MALSR

MISSED APPROACH: Climbing right turn to 5000 direct LUYEV and hold, continue climb-in-hold to 5000.

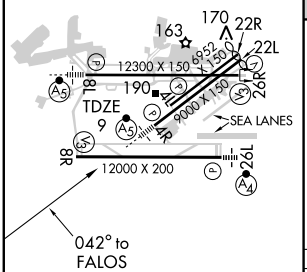
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8



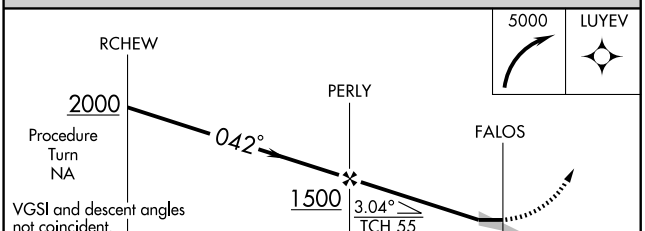
ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150



MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L



CATEGORY	A	B	C	D	E
LNAV MDA	460-¾ 451 (500-¾)			460-1 451 (500-1)	
CIRCLING	620-1¼ 607 (700-1¼)		620-1¾ 607 (700-1¾)	820-2½ 807 (900-2½)	1500-3 1487 (1500-3)

PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	12300
079°	TDZE	13
	Apt Elev	13

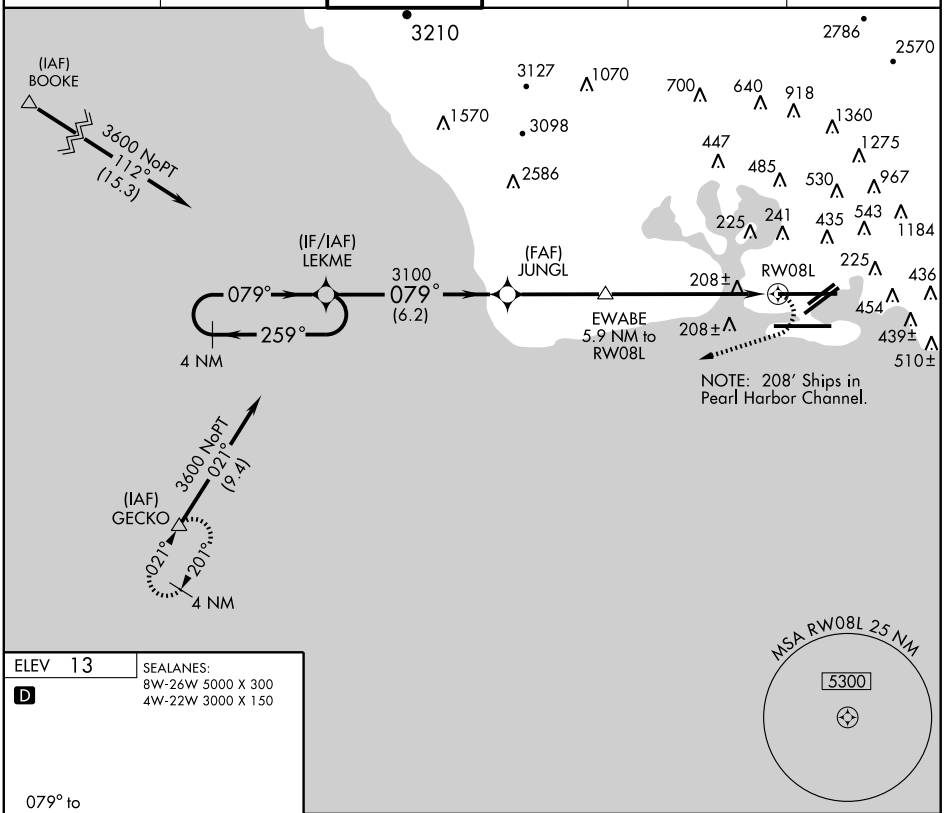
RNAV (GPS) Y RWY 8L
HONOLULU INTL (HNL) (PHNL)

DME/DME RNP-0.3 NA Cat. A, B, C circling NA northwest of airport between Rwys 8L-26R and 4L-22R. Cat. D, E circling NA north of Rwy 8L-26R.

MALSR

MISSED APPROACH: Climbing right turn to 3600 direct GECKO and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8



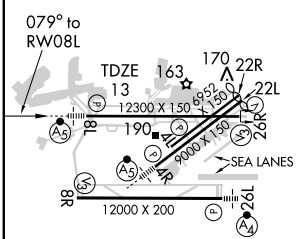
PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

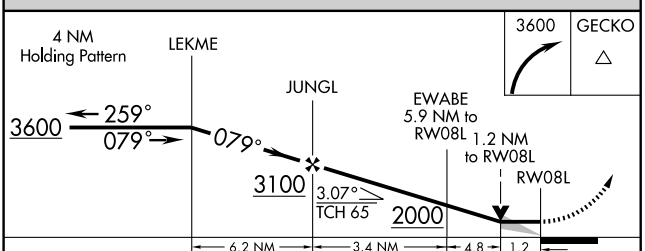
ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150



MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L



CATEGORY	A	B	C	D	E
LNAV MDA	460-½ 447 (500-½)		460-¾ 447 (500-¾)	460-1 447 (500-1)	
CIRCLING	620-1 607 (700-1)		620-1¾ 607 (700-1¾)	820-2½ 807 (900-2½)	1660-3 1647 (1700-3)

APP CRS	Rwy ldg	12000
259°	TDZE	10
	Apt Elev	13

RNAV (RNP) RWY 26L
HONOLULU INTL (HNL) (PHNL)

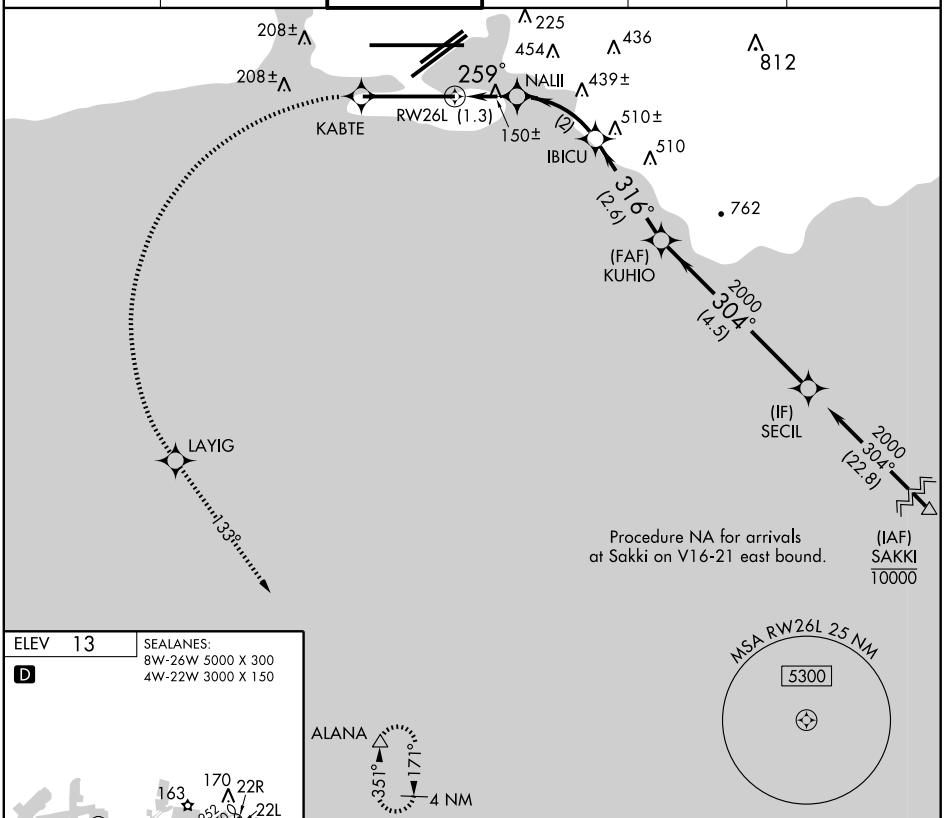
RF and GPS REQUIRED. For uncompensated Baro-VNAV systems, procedure NA below 15°C (58°F) or above 49°C (121°F).
For inoperative MALSF, increase RNP 0.15 visibility to 1 all Cats.
* Missed approach requires a minimum climb of 234′ per NM to 300.

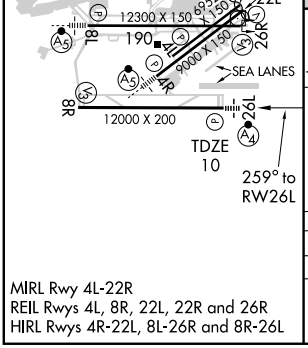
NA

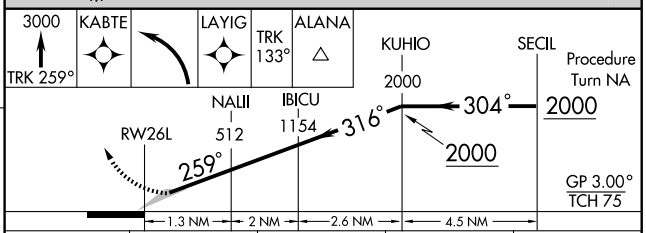
MALSF

MISSED APPROACH: Climb to 3000 via 259° track to KABTE, left turn via 4.9 radius to LAYIG, 133° track to ALANA and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8







CATEGORY	A	B	C	D
RNP 0.15 DA*	260-½	250 (300-½)		

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	9000
042°	TDZE	9
	Apt Elev	13

RNAV (RNP) Z RWY 4R
HONOLULU INTL (HNL) (PHNL)

T A NA — GPS Required. For uncompensated Baro-VNAV systems, procedure NA below 16°C (60°F) or above 48°C (119°F). For inoperative MALSR, increase RNP 0.30 visibility to 2¼.

MALSR

MISSED APPROACH: Climbing right turn to 5000 direct LUYEV and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8

225 241 435 543 1184 225 454 436 439± 510± 510 208± 208± RW04R (FAF) PERLY 1500 042° (6) (IF) RCHEW KEOLA 5000 111° (12) 2000 075° (13.1) (IAF) GECKO MSA RW04R 25 NM 5300 2000 325° (11.9) 5 NM 089° 269° (IAF) LUYEV 5000 269° (23.6) JULLE

ELEV 13 D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150

163 170 22R 22L 12300 X 150 6953 150 26R 18L 190 TDZE 9 9000 X 150 4R 8R 26L 12000 X 200 SEA LANES 042° to RW04R

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

5000 LUYEV

RCHEW 2000 042° PERLY 1500 RW04R

Procedure Turn NA

GP 3.00° / TCH 55 — 1500

6 NM — 4.5 NM

CATEGORY	A	B	C	D
RNP 0.30 DA	658-1¾ 649 (700-1¾)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	12300
079°	TDZE	13
	Apt Elev	13

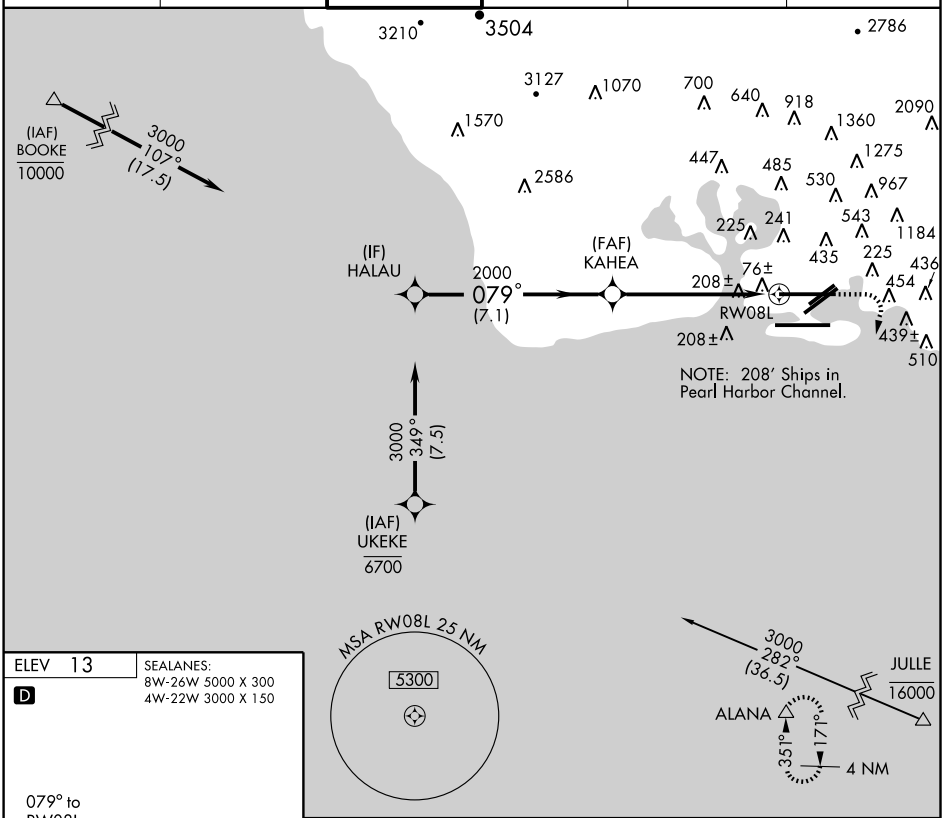
RNAV (RNP) Z RWY 8L
HONOLULU INTL (HNL) (PHNL)

T NA GPS REQUIRED. For uncompensated Baro-VNAV systems, procedure NA below 15°C (58°F) or above 49°C (121°F). For inoperative MALSR increase RNP 0.30 visibility to 1½ all Cats.

MALSR A5

MISSED APPROACH: Climb to 700 then climbing right turn to 3000 direct ALANA and hold.

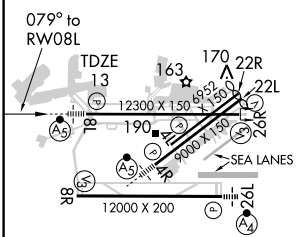
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8



ELEV 13

D

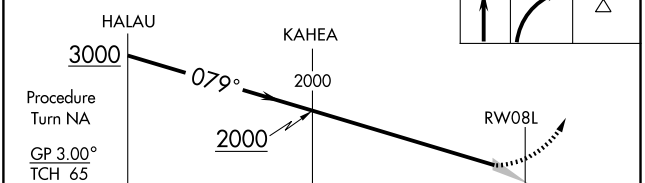
SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150



MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

VGSI and RNAV glidepath not coincident.

700	3000	ALANA



CATEGORY	A	B	C	D
RNP 0.30 DA	386-1		373 (400-1)	

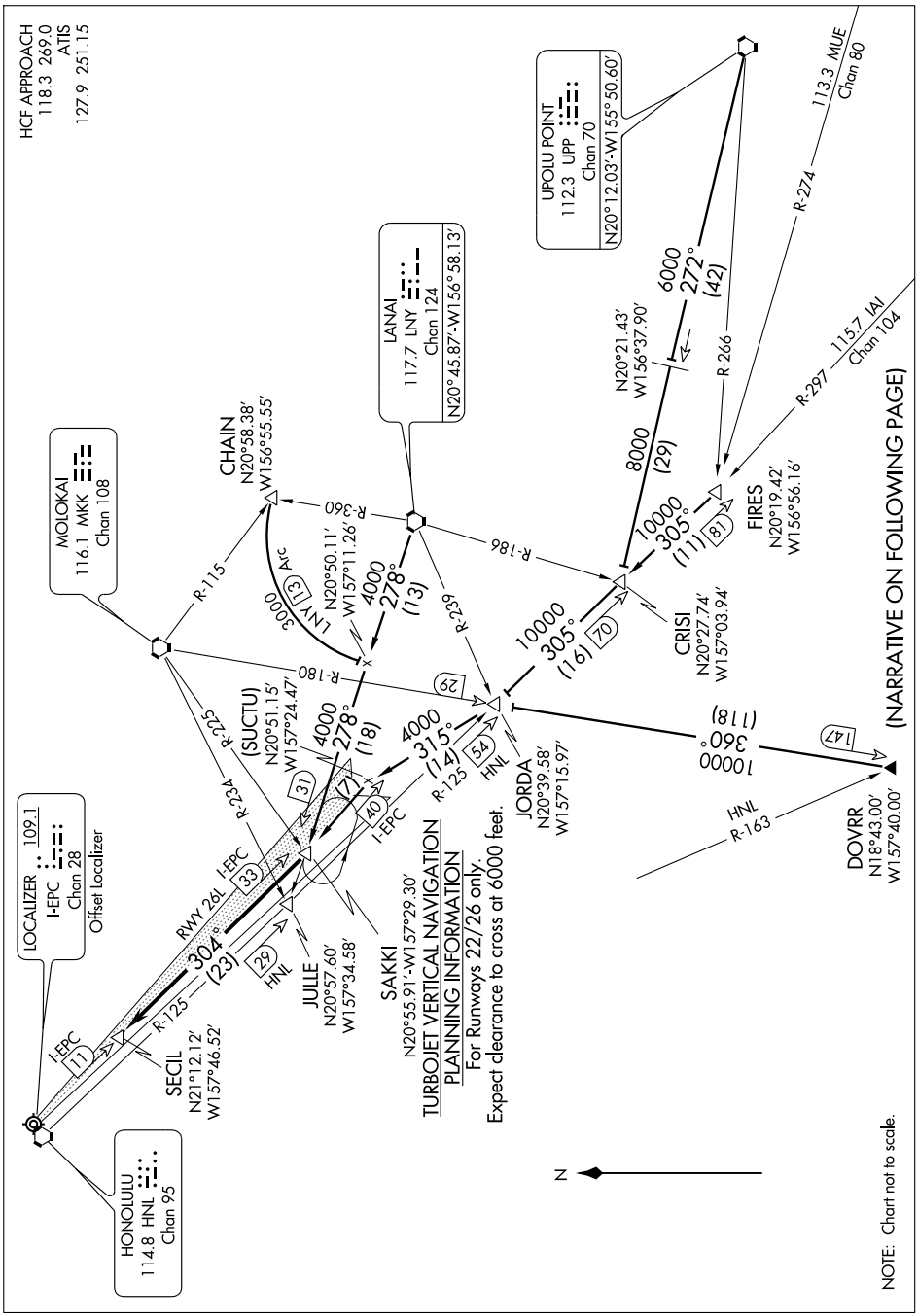
SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

SAKKI FOUR ARRIVAL (SAKKI.SAKKI4)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



PAC, 23 SEP 2010 to 18 NOV 2010

SAKKI FOUR ARRIVAL (SAKKI.SAKKI4)
HONOLULU, HAWAII
HONOLULU INTL (HNL) (PHNL)
09239

ARRIVAL DESCRIPTION

CHAIN TRANSITION (CHAIN.SAKKI4): From over CHAIN INT via LNY 13 DME Arc to intercept LNY R-278 to SAKKI INT. Thence....
DOVRR TRANSITION (DOVRR.SAKKI4): From over DOVRR INT via MKK R-180 to JORDA INT, left turn heading 315° to join I-EPC LDA course at 40 DME to SAKKI INT. Thence....
FIRES TRANSITION (FIRES.SAKKI4): From over FIRES INT via HNL R-125 to JORDA INT, right turn heading 315° to join I-EPC LDA course at 40 DME to SAKKI INT. Thence....
LANAI TRANSITION (LNY.SAKKI4): From over LNY VORTAC via LNY R-278 to SAKKI INT. Thence....
UPOLU TRANSITION (UPP.SAKKI4): From over UPP VORTAC via UPP R-272 and HNL R-125 to JORDA INT, right turn heading 315° to join I-EPC LDA course at 40 DME to SAKKI INT. Thence....
....For Runways 22/26 only: From over SAKKI INT via the LDA/DME Runway 26L course to SECIL DME.

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

VORTAC HNL 114.8 Chan 95	APP CRS 037°	Rwy Idg N/A TDZE N/A Apt Elev 13

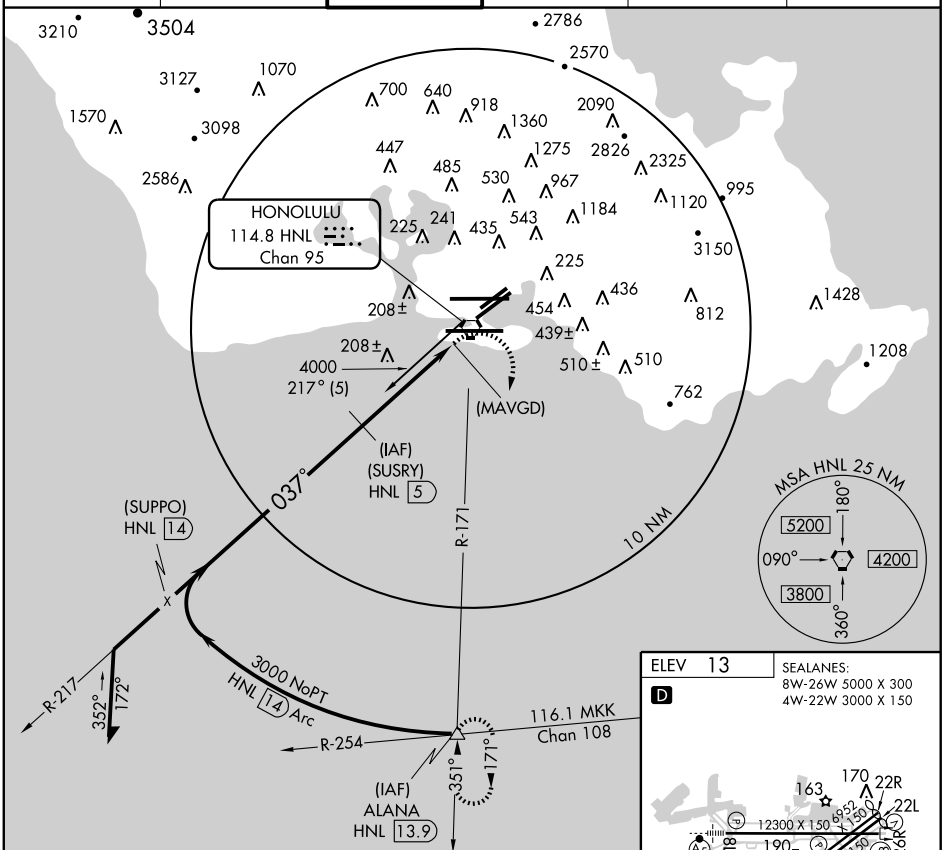
VOR/DME or TACAN or GPS-B

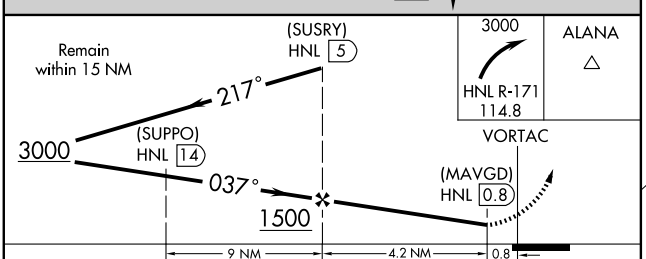
HONOLULU INTL (HNL) (PHNL)

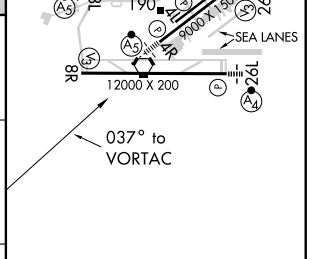
T A Cat. A, B, C circling not authorized northwest of airport between Rwys 8L-26R and 4L-22R. Cat. D circling not authorized north of Rwy 8L-26R. Cat. E circling not authorized north of Rwy 8R-26L.

MISSED APPROACH: Climbing right turn to 3000 via HNL R-171 to ALANA/HNL 13.9 DME and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8







CATEGORY	A	B	C	D	E
CIRCLING	620-1 607 (700-1)		620-1¾ 607 (700-1¾)	760-2½ 747 (800-2½)	860-3 847 (900-3)

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

PAC, 23 SEP 2010 to 18 NOV 2010

VORTAC HNL 114.8 Chan 95	APP CRS 305°	Rwy ldg N/A TDZE N/A Apt Elev 13

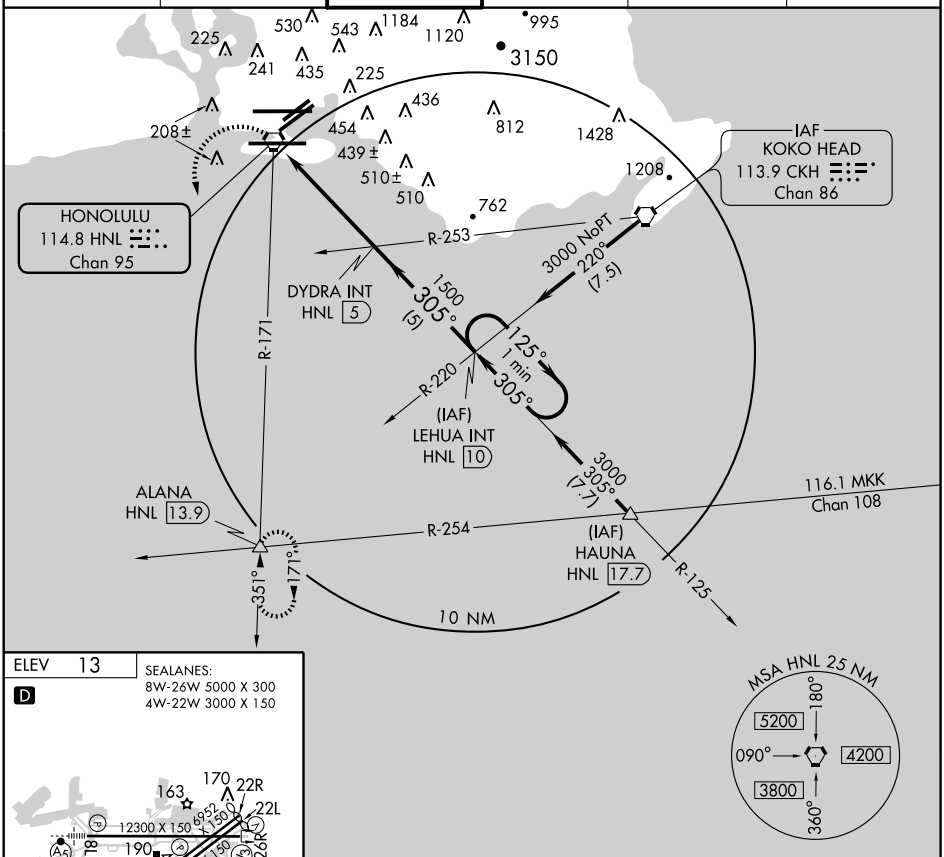
VOR or TACAN or GPS-A

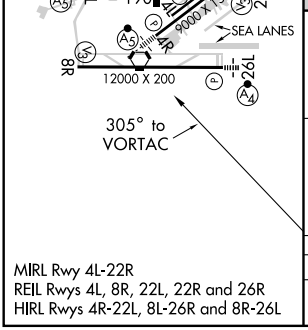
HONOLULU INTL (HNL) (PHNL)

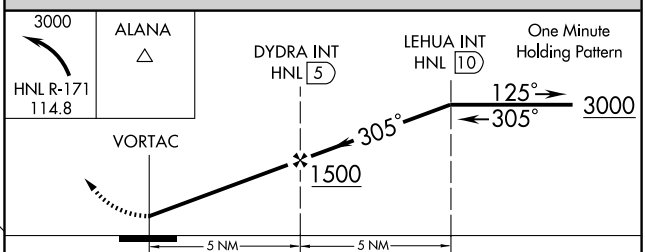
Cat. A, B, C circling not authorized northwest of airport between Rwys 8L-26R and 4L-22R; Cat. D, E circling not authorized north of Rwy 8L-26R.

MISSED APPROACH: Climbing left turn to 3000 via HNL R-171 to ALANA Int/HNL 13.9 DME and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8







MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

CATEGORY	A	B	C	D	E
CIRCLING	620-1	607 (700-1)	620-1¾ 607 (700-1¾)	760-2½ 747 (800-2½)	1500-3 1487 (1500-3)

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

VORTAC HNL 114.8 Chan 95	APP CRS 018°	Rwy ldg 9000 TDZE 9 Apt Elev 13

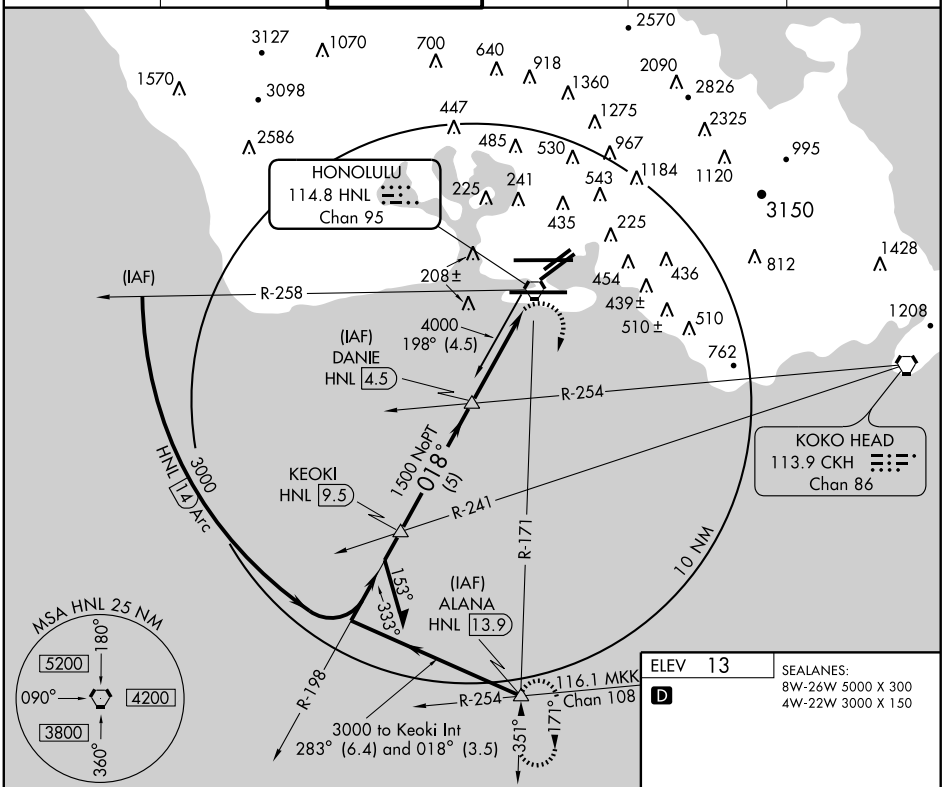
VOR or TACAN RWY 4R
HONOLULU INTL (HNL) (PHNL)

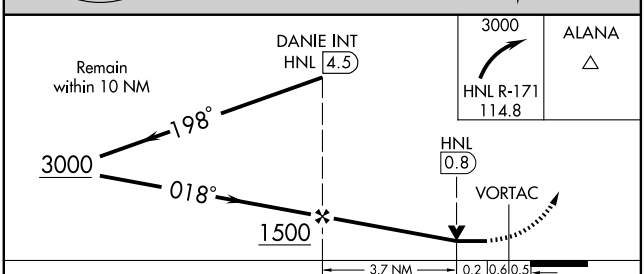
Cat. A, B, C circling not authorized northwest of airport between Rwys 8L-26R and 4L-22R. Cat. D circling not authorized north of Rwy 8L-26R. Inoperative table does not apply.

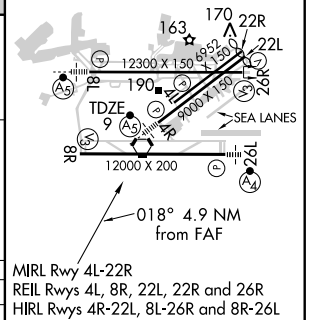
MALSR

MISSED APPROACH: Climbing right turn to 3000 via HNL R-171 to ALANA Int/HNL 13.9 DME and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8



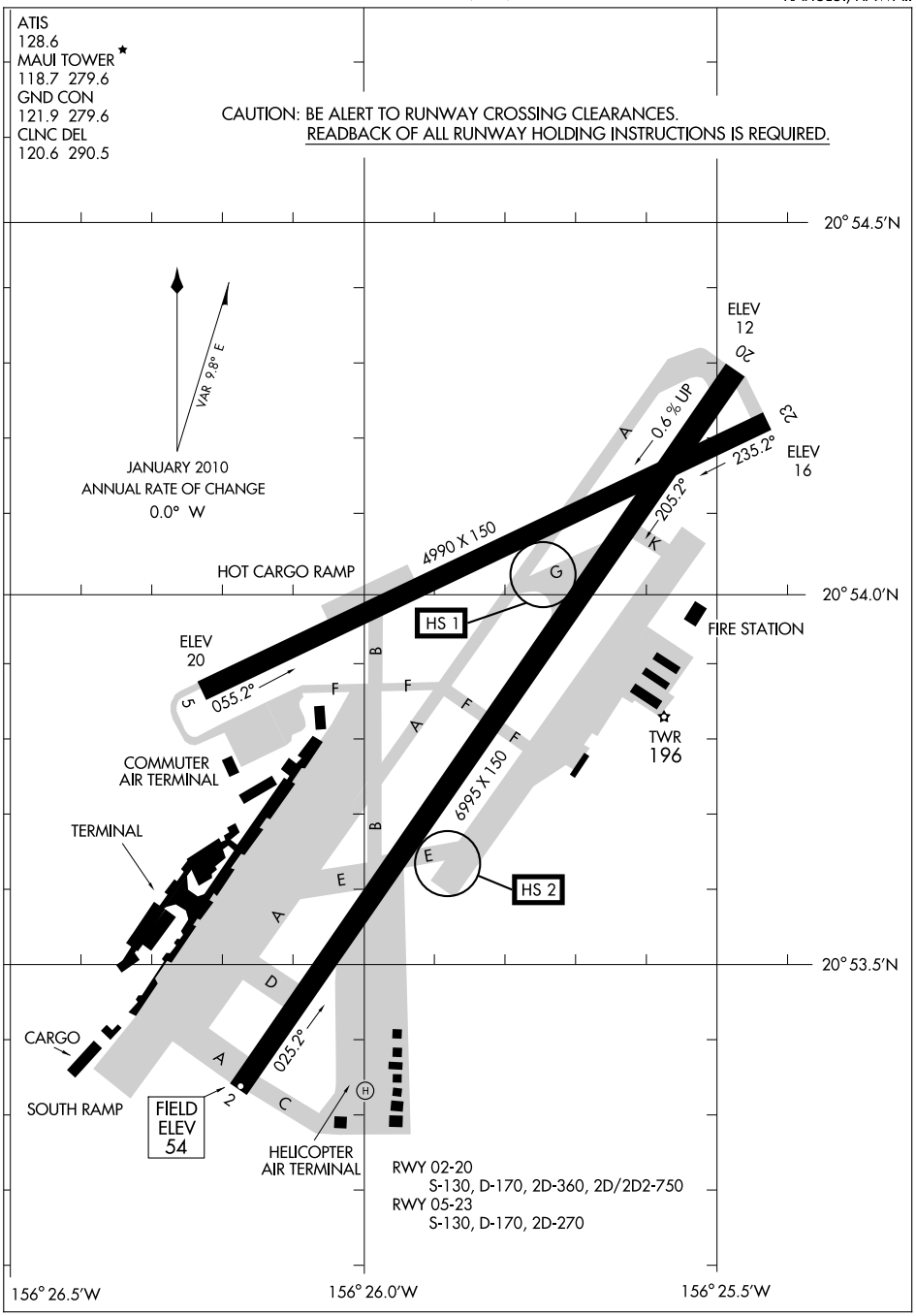




CATEGORY	A	B	C	D
S-4R	460-1	451 (500-1)	460-1¼ 451 (500-1¼)	460-1½ 451 (500-1½)
CIRCLING	620-1	607 (700-1)	620-1¾ 607 (700-1¾)	760-2½ 747 (800-2½)

FAF to MAP 3.9 NM					
Knots	60	90	120	150	180
Min:Sec	3:54	2:36	1:57	1:34	1:18

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010


ATIS
128.6
MAUI TOWER ★
118.7 279.6
GND CON
121.9 279.6
CLNC DEL
120.6 290.5
CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.
20° 54.5′N
20° 54.0′N
20° 53.5′N
156° 26.5′W
156° 26.0′W
156° 25.5′W
VAR 9.8° E
JANUARY 2010
ANNUAL RATE OF CHANGE
0.0° W
ELEV
12
20
23
ELEV
16
0.6 % UP
235.2°
205.2°
4990 X 150
HOT CARGO RAMP
G
HS 1
ELEV
20
055.2°
FIRE STATION
TWR
196
COMMUTER
AIR TERMINAL
TERMINAL
6995 X 150
E
HS 2
CARGO
025.2°
SOUTH RAMP
FIELD
ELEV
54
HELICOPTER
AIR TERMINAL
RWY 02-20
S-130, D-170, 2D-360, 2D/2D2-750
RWY 05-23
S-130, D-170, 2D-270

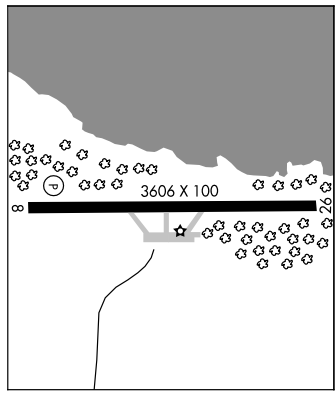
MAUI

§ **HANA** (HNM)(PHHN) 3 NW UTC−10 N20°47.74′ W156°00.87′ **HAWAIIAN–MARIANA**

78 B TPA—See Remarks NOTAM FILE HNM **2–G**

RWY 08–26: H3606X100 (ASPH) S–34, D–48, 2D–80 MIRL

RWY 08: PAPI(P2L)—GA 2.75° TCH 17′. **RWY 26:** Rgt tfc.



AIRPORT REMARKS: Attended 1745–0230Z. Wild boars on and invof arpt. Arpt CLOSED to helicopters sunset–sunrise except PPR 808–872–3875. Helicopter pilot training maneuvers will be conducted at the approach end of Rwy 26 only. Ultralights on and invof arpt. 24 hrs PPR for Class A and B explosives and 4 hrs PPR for other hazardous cargo in/out of arpt ctc 808–248–4861 or 808–872–3880. Rwy 08–26 35′ trees along both sides of rwy 200′ from centerline. Helicopter parking on grass infield areas between ramp and runway. ACTIVATE MIRL (only high intensity avbl) Rwy 8–26—CTAF. Rwy 08 PAPI daylight ops only. Rwy 08 PAPI OTS indef. Traffic pattern altitudes small acft 800 (722) large acft 1500 (1422). NOTE: See Area Notices—TRAFFIC ADVISORIES AT NON–TOWER AIRPORTS.

WEATHER DATA SOURCES: AWOS–3—118.325 (808) 248–8471. AWOS visibility unreliable.

COMMUNICATIONS: CTAF 122.9

HANA RCO 122.3 (HONOLULU RADIO)

HONOLULU CONTROL FACILITY APP/DEP CON 126.0 278.3

CLNC DEL 122.3

RADIO AIDS TO NAVIGATION: NOTAM FILE OGG.

MAUI (H) VORTAC 115.1 OGG Chan 98 N20°54.39′ W156°25.26′ 095° 23.8 NM to fld. 30/11E.

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§ **KAHULUI** (OGG)(PHOG) 3 E UTC−10 N20°53.92′ W156°25.83′ **HAWAIIAN–MARIANA**

54 B S2 **FUEL** 100, JET A LRA Class I, ARFF Index D NOTAM FILE OGG **2–G**

RWY 02–20: H6995X150 (ASPH–GRVD) S–130, D–170, 2D–360, 2D/2D2–750 HIRL **IAP**

0.6% UP SW

RWY 02: MALSR. VASI(V4L)—GA 3.0° TCH 65′. Stack. Rgt tfc.

RWY 20: PAPI(P4L)—GA 3.0° TCH 76′. Building.

RWY 05–23: H4990X150 (ASPH–GRVD) S–130, D–170, 2D–270 MIRL

RWY 05: VASI(V4L)—GA 3.0° TCH 40′. Trees. **RWY 23:** Pole. Rgt tfc.

AIRPORT REMARKS: Attended continuously. ARFF available 24 hrs. 24 hrs PPR for Class A and B explosives and 4 hrs PPR for other hazardous cargo in/out of arpt; ctc 808–872–3830 1745–0230Z other times 808–872–3888. Lighted tower 570′ MSL approximately 3 miles west of airport. Migratory bird activity blo 1500′ within 5 NM radius of arpt during August–May. Twy G clsd to acft over 30,000 lbs. Acft above 80,000 lbs ldg Rwy 02 unable to turn off onto Rwy 05 due to Rwy 05 pavement condition. Due to nonvisibility twr unable to provide ATC svc between acft and ground vehicles on the commuter air terminal S of Taxiway F and the helicopter air terminal E of apch end Rwy 02. Due to nonvisibility twr unable to determine if following area is clear of obstructions and/or tfc: portion of Taxiway F between the commuter air terminal and apch end Rwy 05. Ramp area E side Rwy 02 under state authority. Transient parking located on northeast section of E ramp. FAA not responsible for direction and control gnd tfc in area. Area E of apch end Rwy 02 designated as helicopter operations area. No fixed wing acft may operate on helipad during operational hours SR–SS. PPR for fixed wing acft operations on helipad during nonoperational hours call 808–872–3880 1515–0800Z. Access to helipad from Twy C only. Military helicopter ops restricted to HAZMAT area N of Rwy 05–23. Commuter terminal ramp restricted to acft 140,000 lbs or less. Jet A fuel avbl 1700–0400Z, other times by prior arrangement with FBO 24 hrs, (808) 871–5572, or (808) 873–6060. 100 octane fuel avbl 24 hrs self–service. Rwy 05 VASI unusable byd 4 NM from thld due to rapidly rising terrain. Twy F clsd to left turns from Rwy 02 acft above 80,000 lbs. When twr unattended ACTIVATE MALSR Rwy 02, HIRL Rwy 02–20 and MIRL Rwy 05–23—CTAF. Flight Notification Service (ADCUS) available. NOTE: See General Notices—Entry and Departure Requirements. NOTE: See Area Notices—Landing Rights Airports–Gatehold Procedures–Hazards, Cautions and Warnings–CLASS C Airspace–Arrival/Departure Routes–Noise Sensitive Areas–Informal Runway Use Program.

WEATHER DATA SOURCES: ASOS (808) 877–6282. LAWRS (1600–0900Z).

COMMUNICATIONS: CTAF 118.7 **ATIS** 128.6 **UNICOM** 122.95

Ⓡ **HONOLULU CONTROL FACILITY APP/DEP CON** 120.2 (North) 119.5 (South) (1600–0900Z)

MAUI TOWER 118.7 (1600–0900Z) **MAUI GND CON** 121.9 **MAUI CLNC DEL** 120.6

AIRSPACE: CLASS C svc 1600–0900Z ctc **MAUI APP CON**

RADIO AIDS TO NAVIGATION: NOTAM FILE OGG.

MAUI (H) VORTAC 115.1 OGG Chan 98 N20°54.39′ W156°25.26′ at fld. 30/11E.

VALLEY ISLAND NDB (MHW) 327 VYI N20°52.85′ W156°26.56′ 022° 1.3 NM to fld. Unmonitored when tower closed. NDB unusable 075°–160°/225°–310° byd 5 NM.

ILS/DME 110.1 I–OGG Chan 38 Rwy 02. Localizer unusable byd 15° left of course. Unmonitored when tower clsd.

CONTINUED ON NEXT PAGE

COMM/NAV/WEATHER REMARKS: Between 0900Z and 1600Z IFR tfc on the ground ctc Honolulu Control Facility on 119.3. All tfc is requested to follow the procedures described for Traffic Advisories at Non–Tower Airports under Area Notices except to utilize Maui tower freq 118.7 instead of 122.9.

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HELIPAD H1: H125X125 (ASPH)

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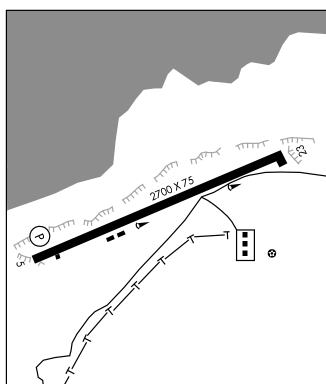
§ **KAPALUA** (JHM)(PHJH) 5 NW UTC−10 N20°57.78′ W156°40.38′ **HAWAIIAN–MARIANA**
256 Class I, ARFF Index A NOTAM FILE JHM **2–G**
RWY 02–20: H3000X100 (ASPH) D–44
RWY 20: Tree. Rgt tfc.
AIRPORT REMARKS: Attended 1615–0415Z. ARFF hrs 1615–0415Z. Private use only. Arpt restricted to Part 121 and Part 135 FAR operators with PPR, ctc Kahului arpt ops 808–872–3880 (24 hrs). No helicopter ops permitted. No jet powered acft allowed. No practice and training flights permitted. Special noise level standards for acft operating at arpt. Restriction on number of daily flts depending on acft capacity and size. Rapidly rising terrain up to 300′ MSL along the full length of Rwy 02–20 approximately 160′ E of centerline.
WEATHER DATA SOURCES: AWOS–3—118.525 (808) 665–6101.
COMMUNICATIONS: CTAF/UNICOM 122.7
AIRSPACE: CLASS E svc effective 1600–0430Z other times CLASS G.
RADIO AIDS TO NAVIGATION: NOTAM FILE OGG.
MAUI (H) VORTAC 115.1 OGG Chan 98 N20°54.39′ W156°25.26′ 272° 14.6 NM to fld. 30/11E.
COMM/NAV/WEATHER REMARKS: AWOS–3 118.525 OTS indef.

MAUI N20°54.39′ W156°25.26′ NOTAM FILE OGG. **HAWAIIAN–MARIANA**
(H) VORTAC 115.1 OGG Chan 98 at Kahului. 30/11E. **2–G**
VORTAC unusable:
065°–084° byd 30 NM blo 7,000′
085°–089° byd 30 NM blo 10,000′
106°–160° byd 19 NM blo 24,000′
VOR portion unusable:
090°–105° byd 31 NM blo 12,500′
161°–165° byd 23 NM blo 7,000′
210°–240° byd 6 NM blo 9,000′
210°–240° byd 17 NM blo 20,000′
241°–249° byd 27 NM blo 20,000′
250°–285° byd 27 NM blo 20,000′
DME unusable:
085°–089° byd 28 NM blo 7,000′
090°–105° byd 28 NM blo 12,500
161°–165° byd 19 NM blo 7,000′
210°–285° byd 19 NM blo 20,000′
RCO 123.6 122.1R 114.3T (HONOLULU RADIO)

VALLEY ISLAND N20°52.85′ W156°26.56′ NOTAM FILE OGG. **HAWAIIAN**
NDB (MHW) 327 VYI 022° 1.3 NM to Kahului. **2–G**
Unmonitored when tower closed. NDB unusable 075°–160°/225°–310° byd 5 NM.

MOLOKAI

§ **KALAUPAPA** (LUP) (PHLU) 2 N UTC−10 N21°12.66′ W156°58.42′ **HAWAIIAN–MARIANA**
24 B TPA—800(776) NOTAM FILE MKK **2–G**
RWY 05–23: H2700X75 (ASPH) S–17 MIRL
RWY 05: PAPI(P2L)—GA 2.75° TCH 25′. **RWY 23:** Rgt tfc.

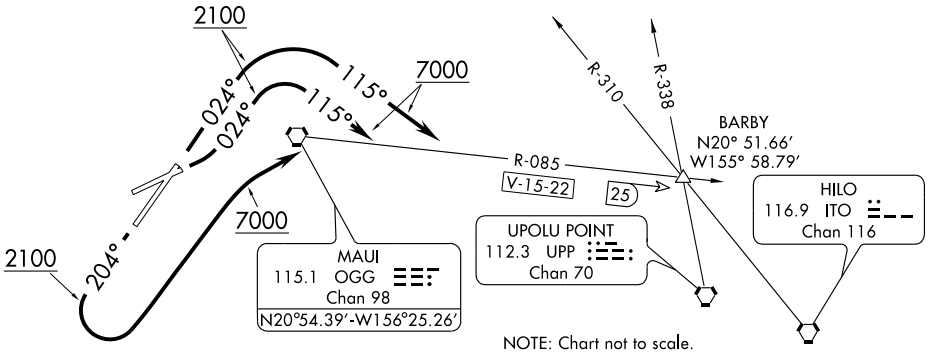


AIRPORT REMARKS: Attended Mon–Fri 1700–0130Z. PPR from State Department of Health, Communicable Disease Division to enter settlement area phone Honolulu 808–586–4580. 24 hrs PPR for Class A and B explosives and 4 hrs PPR for other hazardous material in/out of arpt ctc 808–567–9658 or 808–872–3880. Deer and wild animals on and invof arpt at night. Deep ruts along NE rwy shoulder caused by wild boars. Oct–May large waves impacting shoreline resulting in salt water sprays 40′ high. Rwy 05–23 MIRL OTS indef. Rwy 05 PAPI OTS indef. ACTIVATE MIRL Rwy 05–23 high and med ints only freq 122.9. PAPI Rwy 05 operational daylight hrs only. NOTE: See Area Notices—TRAFFIC ADVISORIES AT NON–TOWER ARPTS.
COMMUNICATIONS: CTAF 122.9
MOLOKAI RCO 122.1R 116.1T (HONOLULU RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE MKK.
MOLOKAI (H) VORTAC 116.1 MKK Chan 108 N21°08.29′ W157°10.05′ 057° 11.7 NM to fld. 1421/11E.

BARBY ONE DEPARTURE

ATIS 128.6
CLNC DEL
120.6 290.5
GND CON
121.9 279.6
MAUI TOWER *
118.7 (CTAF) 279.6
MAUI DEP CON
NORTH 120.2 322.4
SOUTH 119.5 225.4
HCF APPROACH
NORTH 120.2 322.4
SOUTH 119.5 225.4

TAKE-OFF MINIMUMS:
Rwy 23: NA Obstacle and ATC.
Rwy 2: Standard with ATC climb of 480 feet per NM to 2200.
Rwy 5: Standard with ATC climb of 480 feet per NM to 2900.
Rwy 20: Standard with minimum climb of 480 feet per NM to 2100.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 2: Climb heading 024° to 2100 then climbing right turn to 7000 via heading 115° to intercept OGG VORTAC R-085 (V15-22) to BARBY INT/OGG 25 DME.

TAKEOFF RUNWAY 5: Climbing left turn heading 024° to 2100 then climbing right turn to 7000 via heading 115° to intercept OGG VORTAC R-085 (V15-22) to BARBY INT/OGG 25 DME.

TAKEOFF RUNWAY 20: Climb heading 204° to 2100 then climbing left turn to 7000 direct OGG VORTAC then via OGG R-085 (V15-22) to BARBY INT OGG 25 DME.

TAKEOFF OBSTACLE NOTES:

Rwy 2: Bush/trees beginning 190 feet from DER, 362 feet left of centerline, up to 60 feet AGL/79 feet MSL. Pipe on building 339 feet from DER, 289 feet right of centerline, 20 feet AGL/25 feet MSL. Bush beginning 902 feet from DER, 637 feet right of centerline, up to 20 feet AGL/39 feet MSL.

Rwy 5: Trees 2,359 feet from DER, 512 feet left of centerline, 56 feet AGL/75 feet MSL. Fence beginning 20 feet from DER, 299 feet right of centerline, up to 7 feet AGL/31 feet MSL. Bush/trees beginning 291 feet from DER, 300 feet right of centerline, up to 76 feet AGL/95 feet MSL.

Rwy 20: Bush 22 feet from DER, 236 feet right of centerline, 2 feet AGL/55 feet MSL. Bush/trees beginning 24 feet from DER, 173 feet left of centerline, up to 29 feet AGL/68 feet MSL.

BEACH TWO DEPARTURE

ATIS 128.6
CLNC DEL
120.6 290.5
GND CON
121.9 279.6
MAUI TOWER ★
118.7 (CTAF) 279.6
HCF APPROACH
119.5 225.4

MAUI
115.1 OGG
Chan 98

Rwy 20

R-195

BEACH
N20° 41.08′
W156° 32.15′
Cross at or above
5500′ Southeast bound
4000′ Southwest bound

All Rwys

195°
(15)

R-090

R-095

270°
(25)

144°
(3)

R-188

V2-21

LANAI
117.7 LNY
Chan 124
N20° 45.87′
W156° 58.13′

V2

UPOLU POINT
112.3 UPP
Chan 70

R-294

HARPO
N20° 38.49′
W156° 30.92′
Intercept at or above
7000′

R-324

KONA
115.7 IAI
Chan 104

NOTE: HARPO TRANSITION requires 425′ per NM climb.
LANAI TRANSITION requires 300′ per NM climb.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 2, 5, AND 23: Maintain flight in visual conditions until intercepting the OGG R-195, then climb southbound via the OGG R-195 to BEACH INT.

TAKE-OFF RUNWAY 20: Turn left to intercept the OGG R-195, then climb southbound via the OGG R-195 to BEACH INT.

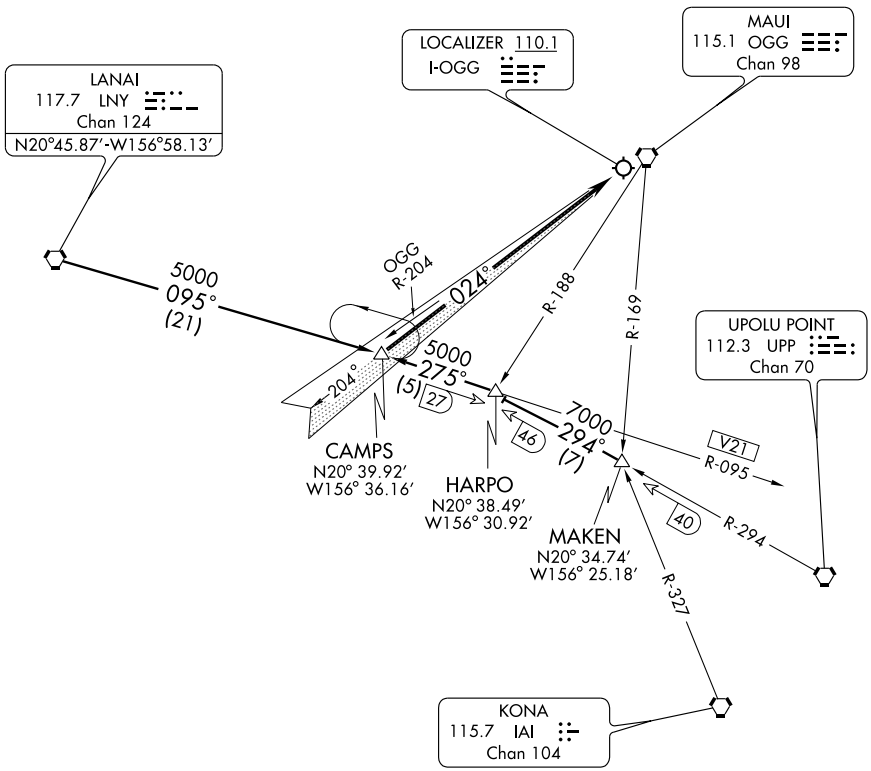
HARPO TRANSITION (BEACH2.HARPO): Cross BEACH INT at or above 5500′, turn left, continue to climb southbound via IAI R-324 to intercept V2 at or above 7000′.

LANAI TRANSITION (BEACH2.LNY): Cross BEACH INT at or above 4000′, turn right, continue climb to 5000′ or above via LNY R-090 to LNY VORTAC.

CAMPS TWO ARRIVAL (CAMPS.CAMPS2)

KAHULUI (OGG)(PHOG)
KAHULUI, HAWAII

ATIS
128.6
HCF APPROACH
119.5 343.8
MAUI TOWER★
118.7 279.6



NOTE: Chart not to scale.

LANAI TRANSITION (LNY.CAMPS2): From over LNY VORTAC via LNY R-095 to CAMPS INT. Thence . . . .

MAKEN TRANSITION (MAKEN.CAMPS2): From over MAKEN INT via UPP R-294 and LNY R-095 to CAMPS INT. Thence . . . .

. . . . From over CAMPS INT via I-OGG localizer course to KAHULUI AIRPORT.

PAC, 23 SEP 2010 to 18 NOV 2010

CAMPS TWO ARRIVAL (CAMPS.CAMPS2)
KAHULUI, HAWAII
KAHULUI (OGG)(PHOG)
07074

HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION*
HONOLULU, HI		
HONOLULU INTL (HNL) (PHNL)	HS 1	Rwy 08L and Twy C.
	HS 2	Rwy 04R, Rwy 04L-22R, Rwy 08L-26R and Twy K.
	HS 3	Rwy 08L-26R, Twy E and Twy B.
	HS 4	Rwy 08L, Twy A, Twy V, Twy T, Twy RB, and Twy M.
	HS 5	Area not visible from twr.
KAHULUI, HI		
KAHULUI (OGG) (PHOG)	HS 1	Rwy 05, Twy A, Twy F, and Twy G.
	HS 2	Rwy 02-20, Twy E and the ramp.
KAUNAKAKAI, HI		
MOLOKAI (MKK)(PHMK)	HS 1	Area not visible from control twr.

*See appropriate A/FD, Alaska or Pacific Supplement HOT SPOT table for additional information.

23 SEP 2010 to 18 NOV 2010

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ILS or LOC RWY 2
KAHULUI (OGG)(PHOG)

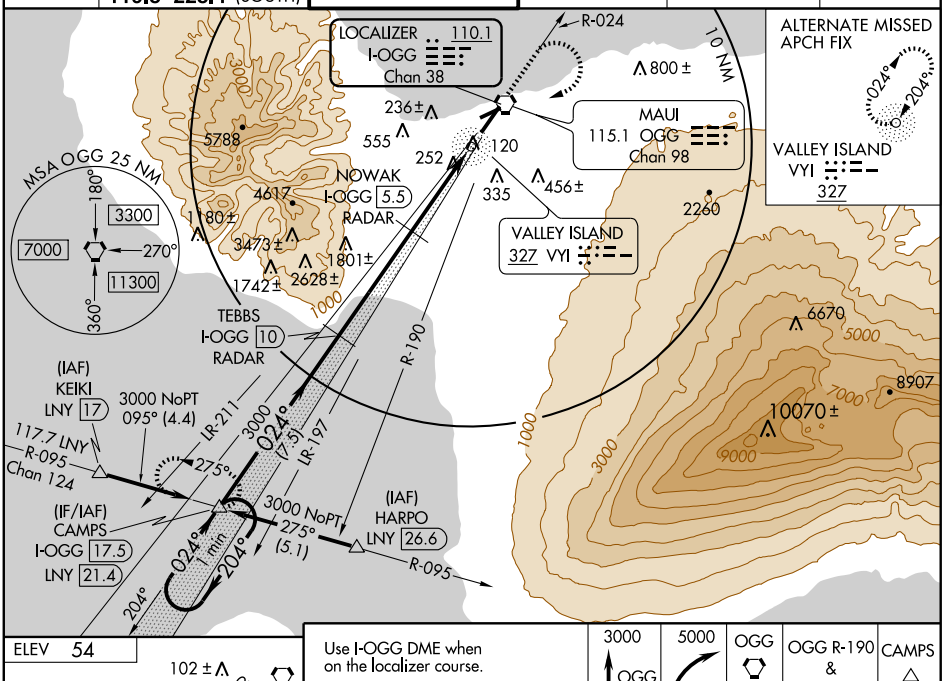
LOC/DME I-OGG	APP CRS	Rwy ldg	6995
110.1	024°	TDZE	54
Chan 38		Apt Elev	54

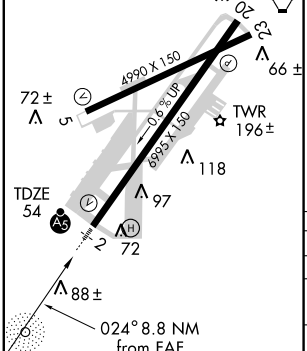
Inoperative table does not apply to ILS all Cats, LOC Cat A and B. DME or RADAR required. Visibility reduction by helicopters NA. For inoperative MALSR, increase NOWAK fix minimums LOC Cat A and B visibility ¼ mile, increase Cat E ½ mile.

MALSR

MISSED APPROACH: Climb to 3000 via OGG R-024 then climbing right turn to 5000 direct OGG VORTAC, then via OGG R-190 and LNY R-095 to CAMPS and hold.

ATIS	HCF APPROACH	MAUI TOWER★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95





HIRL Rwy 2-20 L
MIRL Rwy 5-23 L

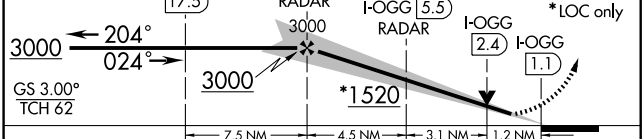
FAF to MAP 8.8 NM					
Knots	60	90	120	150	180
Min:Sec	8:48	5:52	4:24	3:31	2:56

Use I-OGG DME when on the localizer course.

3000	5000	OGG	OGG R-190 & LNY R-095	CAMPS
OGG R-024		115.1		

One Minute Holding Pattern

VGSI and ILS glidepath not coincident.



CATEGORY	A	B	C	D	E
S-ILS 2	304-¾ 250 (300-¾)				
S-LOC 2	1520-1¼ 1466 (1500-1¼)	1520-1½ 1466 (1500-1½)	1520-2½ 1466 (1500-2½)		
CIRCLING	1520-1¼ 1466 (1500-1¼)	1520-1½ 1466 (1500-1½)	1520-3 1466 (1500-3)		

NOWAK FIX MINIMUMS					
S-LOC 2	520-¾ 466 (500-¾)			520-1 466 (500-1)	520-1¼ 466 (500-1¼)
CIRCLING	520-1 466 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	660-2 606 (700-2)	1400-3 1346 (1400-3)

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

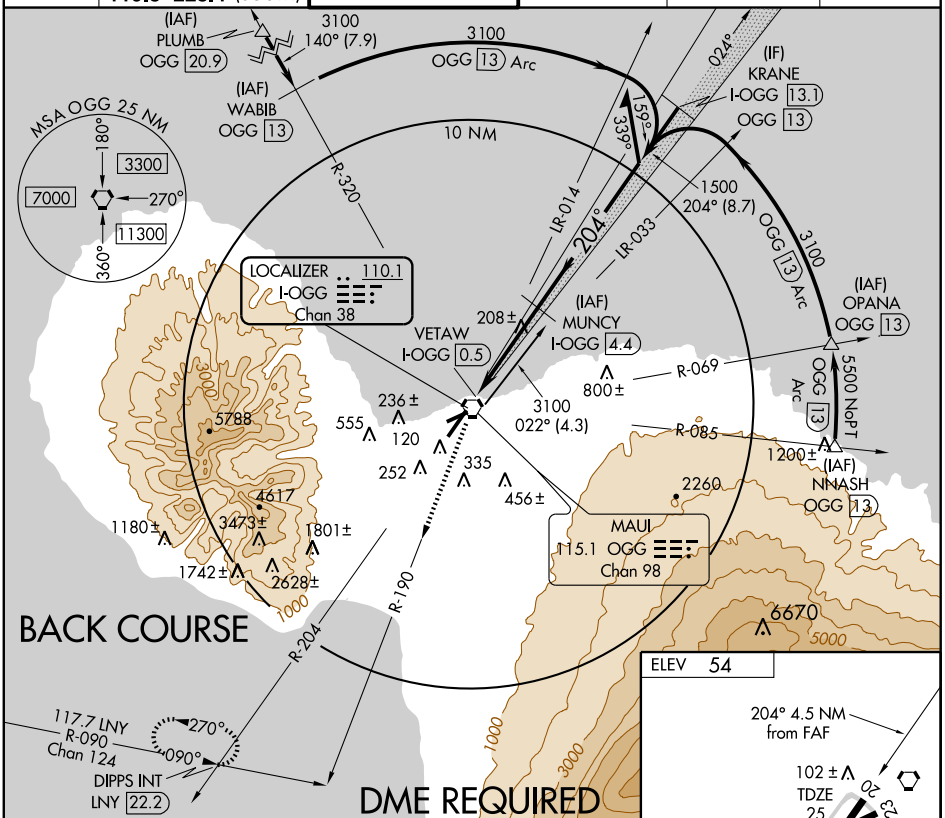
LOC/DME BC RWY 20
KAHULUI (OGG)(PHOG)

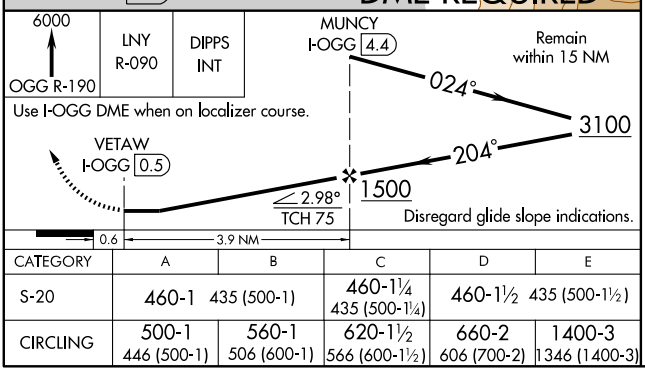
LOC/DME I-OGG	APP CRS	Rwy ldg	6995
110.1	204°	TDZE	25
Chan 38		Apt Elev	54

DME required.

MISSED APPROACH: Climb to 6000 via OGG R-190 and LNY VORTAC R-090 to DIPPS INT and hold.

ATIS	HCF APPROACH	MAUI TOWER ★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95





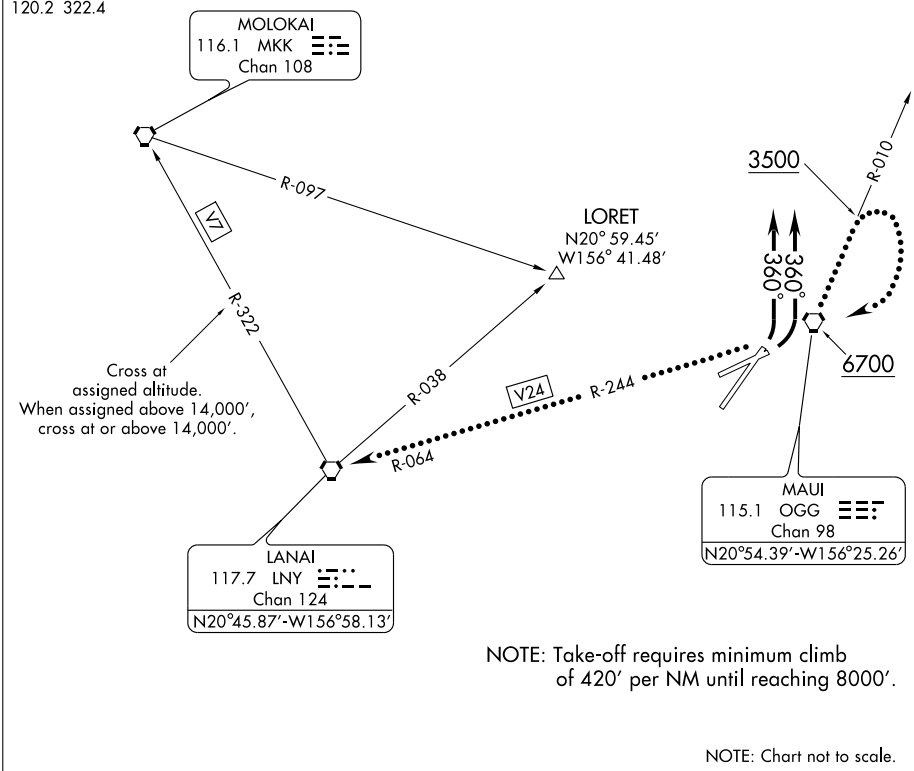
CATEGORY	A	B	C	D	E
S-20	460-1 435 (500-1)		460-1¼ 435 (500-1¼)	460-1½ 435 (500-1½)	
CIRCLING	500-1 446 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	660-2 606 (700-2)	1400-3 1346 (1400-3)

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

MAUI FIVE DEPARTURE

ATIS 128.6
CLNC DEL
120.6 290.5
GND CON
121.9 279.6
MAUI TOWER ★
118.7 (CTAF) 279.6
HCF APPROACH
120.2 322.4



NOTE: Take-off requires minimum climb of 420′ per NM until reaching 8000′.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 2 AND 5 ONLY: After take-off, all aircraft fly heading 360°, expect radar vectors west of Maui Island to assigned fix/route. Cross the LNY R-322 at assigned altitude. When assigned above 14,000′, cross at or above 14,000′.

LOST COMMUNICATIONS: If not in contact with Departure Control 1 minute after crossing the shoreline, climb northbound via the OGG R-010 until reaching at least 3500′. Then reverse course to the right direct OGG VORTAC. Then via V24 to LNY VORTAC. Cross OGG VORTAC at or above 6700′.

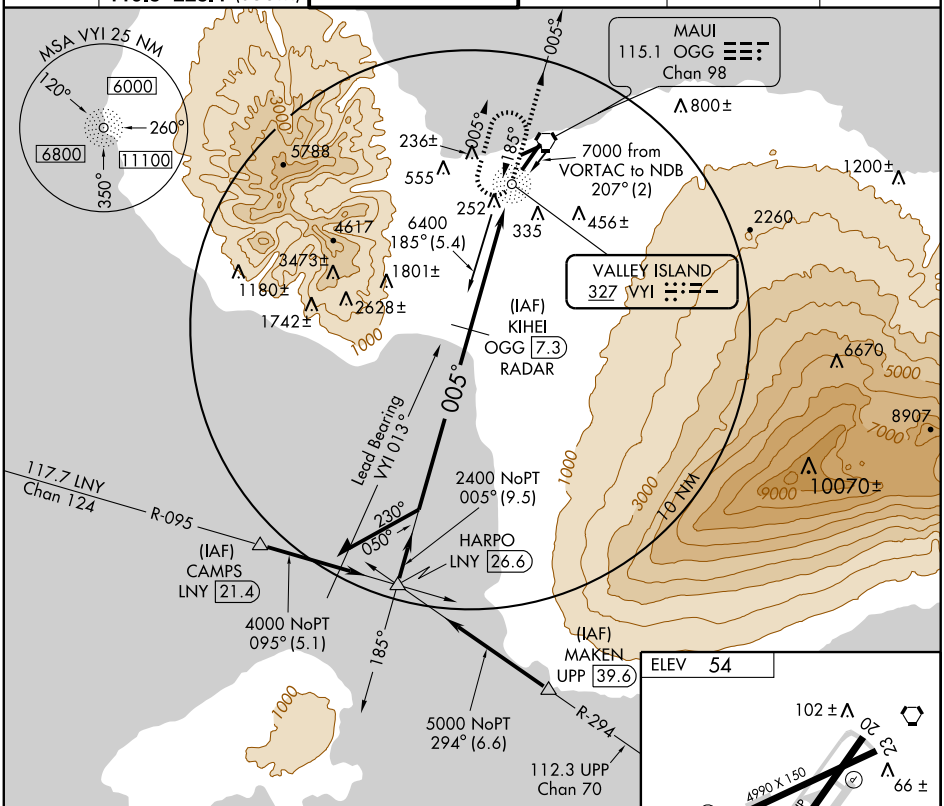
NDB VYI	APP CRS	Rwy ldg	6995
327	005°	TDZE	54
		Apt Elev	54

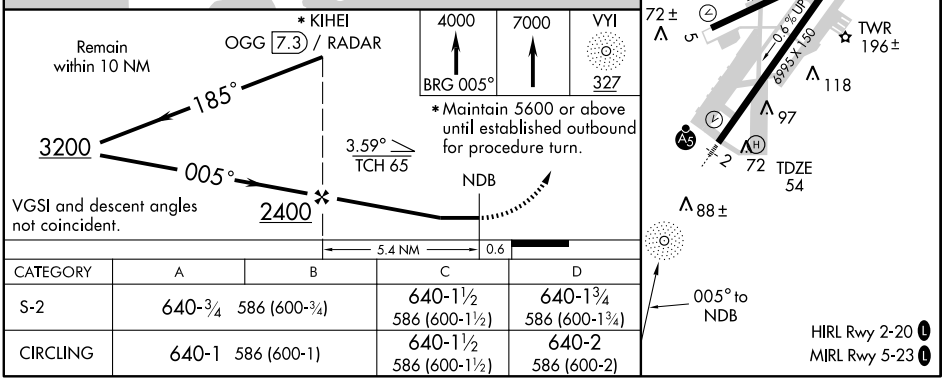
NDB/DME RWY 2
KAHULUI (OGG)(PHOG)

MALSR

MISSED APPROACH: Climb to 4000 via 005° bearing from VYI NDB then climb to 7000 direct VYI NDB and hold.

ATIS	HCF APPROACH	MAUI TOWER ★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95





CATEGORY	A	B	C	D
S-2	640-¾ 586 (600-¾)		640-1½ 586 (600-1½)	640-1¾ 586 (600-1¾)
CIRCLING	640-1 586 (600-1)		640-1½ 586 (600-1½)	640-2 586 (600-2)

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	6995
021°	TDZE	54
	Apt Elev	54

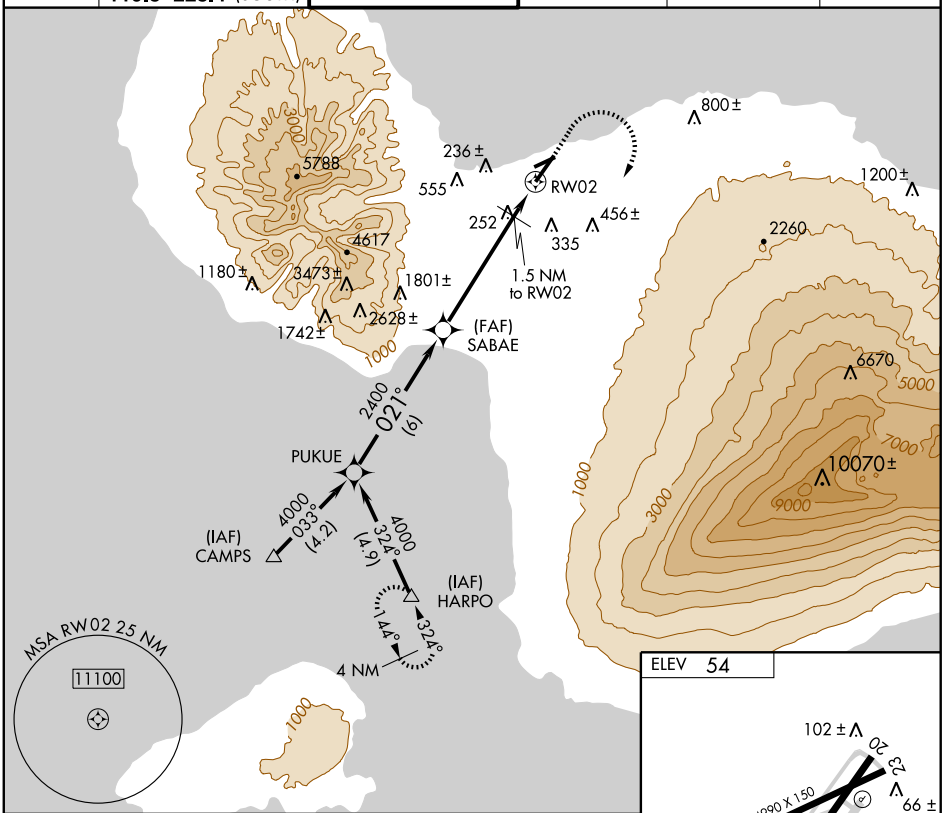
RNAV (GPS) RWY 2
KAHULUI (OGG)(PHOG)

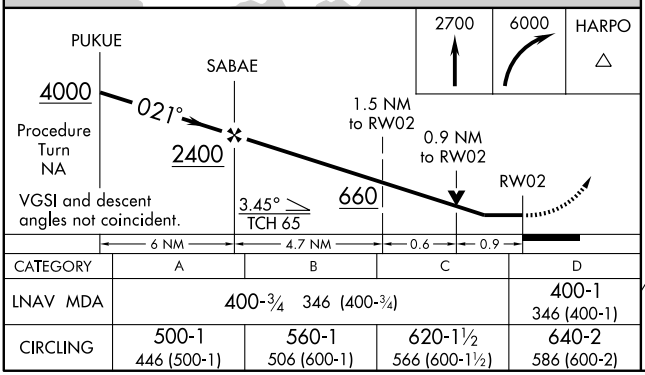
T
A NA
Circling NA at night to Rwy 5.
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
For inoperative MALSR increase LNAV visibility ¼ mile.

MALSR A5

MISSED APPROACH: Climb to 2700 then climbing right turn to 6000 direct HARPO WP and hold.

ATIS	HCF APPROACH	MAUI TOWER ★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95





CATEGORY	A	B	C	D
LNAV MDA	400-¾ 346 (400-¾)			400-1 346 (400-1)
CIRCLING	500-1 446 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	640-2 586 (600-2)

HIRL Rwy 2-20 L
MIRL Rwy 5-23 L

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	6995
204°	TDZE	25
	Apt Elev	54

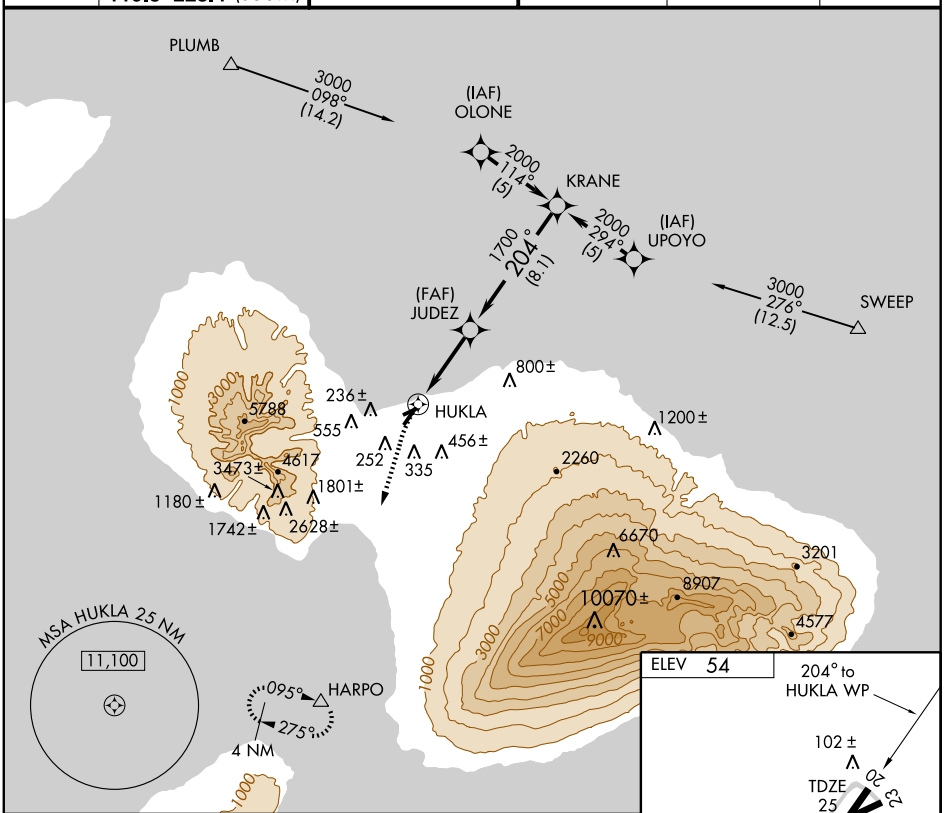
RNAV (GPS) RWY 20
KAHULUI (OGG)(PHOG)

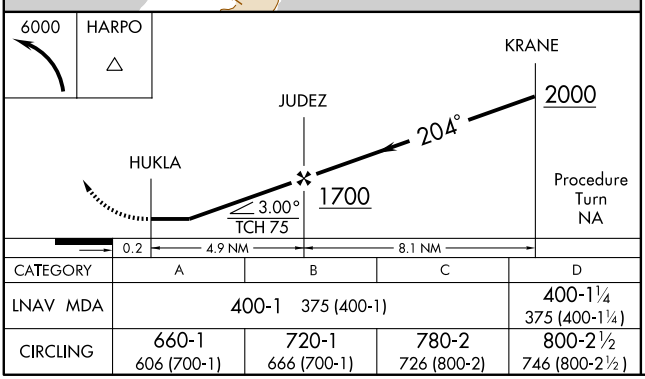
T
A NA

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 6000 direct HARPO WP and hold.

ATIS	HCF APPROACH	MAUI TOWER ★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95





CATEGORY	A	B	C	D
LNAV MDA	400-1 375 (400-1)			400-1¼ 375 (400-1¼)
CIRCLING	660-1 606 (700-1)	720-1 666 (700-1)	780-2 726 (800-2)	800-2½ 746 (800-2½)

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

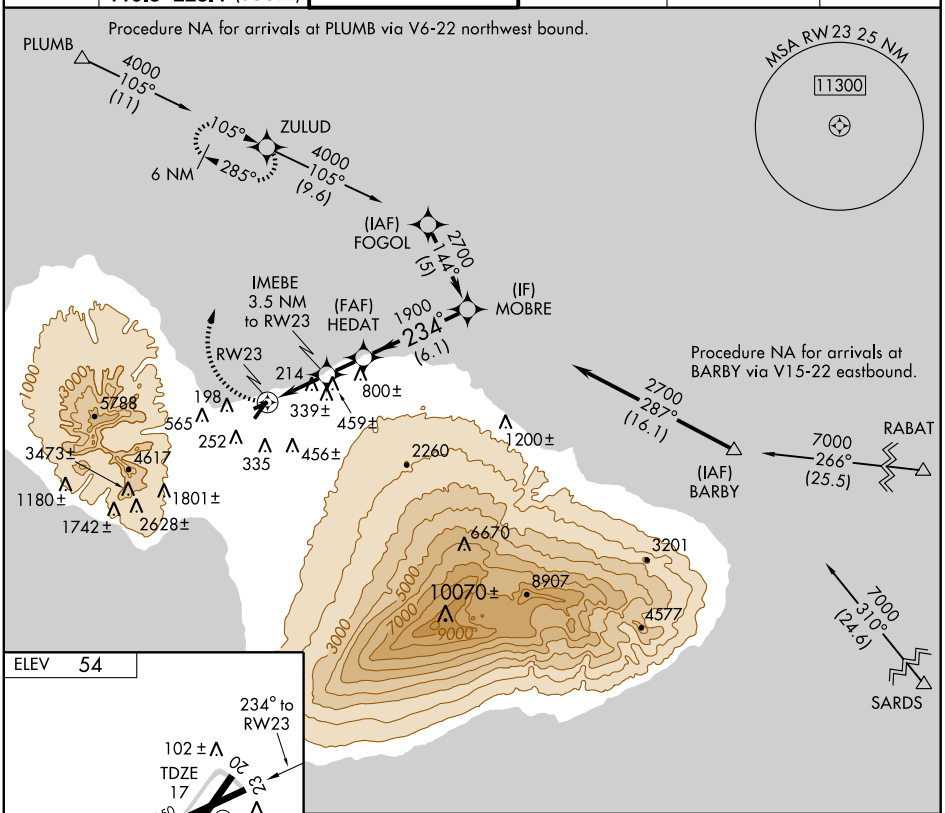
APP CRS	Rwy ldg	4990
234°	TDZE	17
	Apt Elev	54

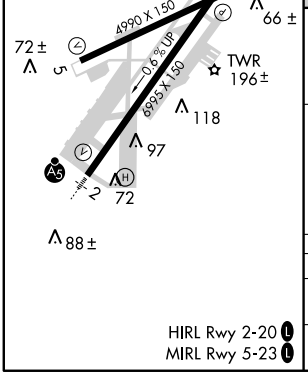
RNAV (GPS) RWY 23
KAHULUI (OGG)(PHOG)

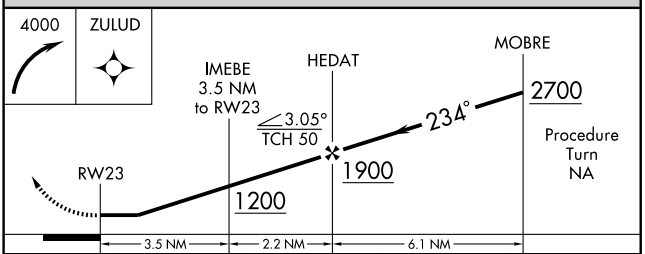
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, procedure NA. Straight-in minimums NA at night.

MISSED APPROACH: Climbing right turn to 4000 direct ZULUD and hold, continue climb-in-hold to 4000.

ATIS	HCF APPROACH	MAUI TOWER★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF)(L) 279.6	121.9 279.6	120.6 290.5	122.95







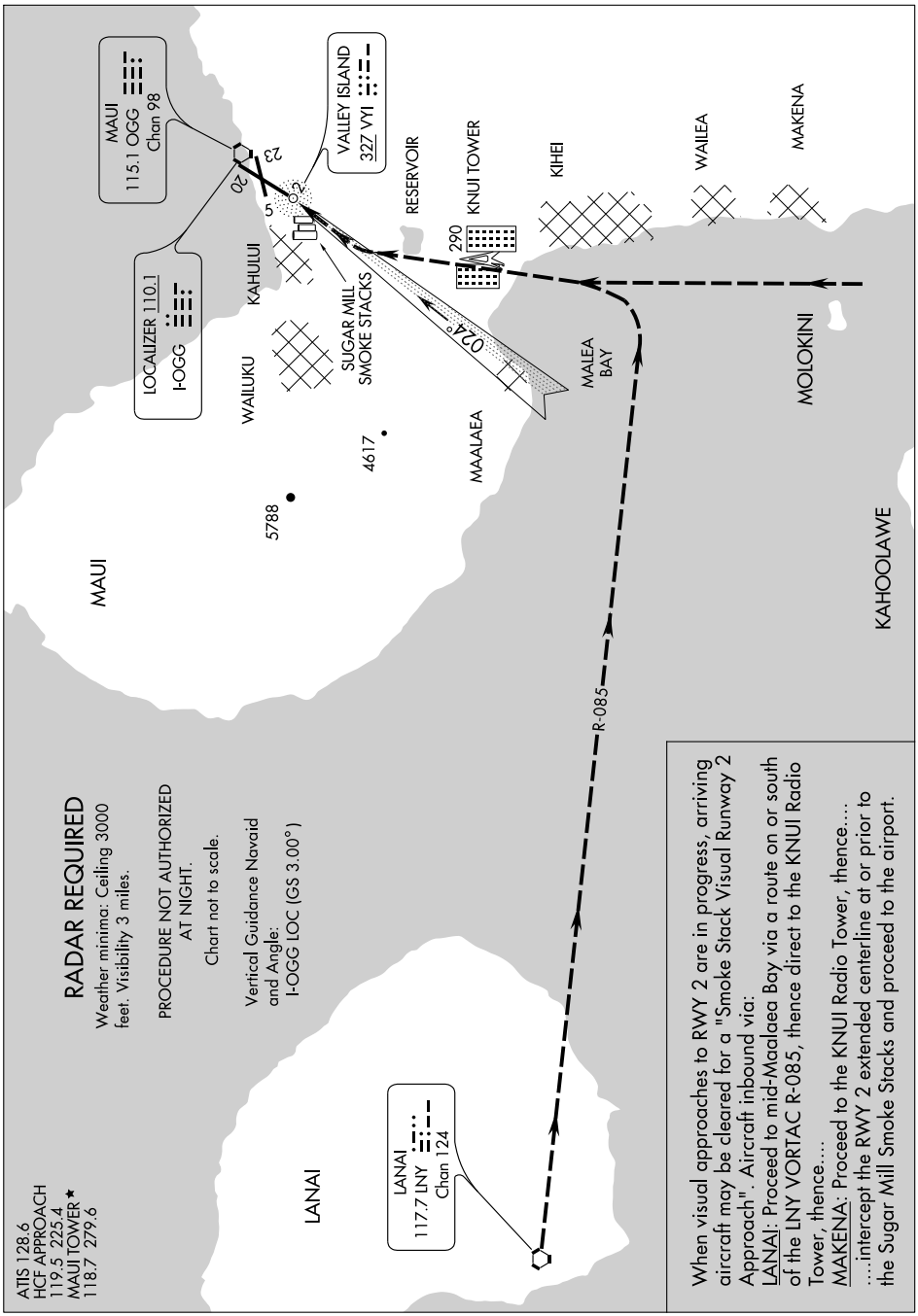
CATEGORY	A	B	C	D
LNAV MDA	460-1 443 (500-1)		460-1¼ 443 (500-1¼)	460-1½ 443 (500-1½)
CIRCLING	520-1 466 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	640-2 586 (600-2)

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

SMOKE STACK VISUAL RWY 2

KAHULUI (OGG)(PHOG)
KAHULUI, HAWAII



PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

SMOKE STACK VISUAL RWY 2

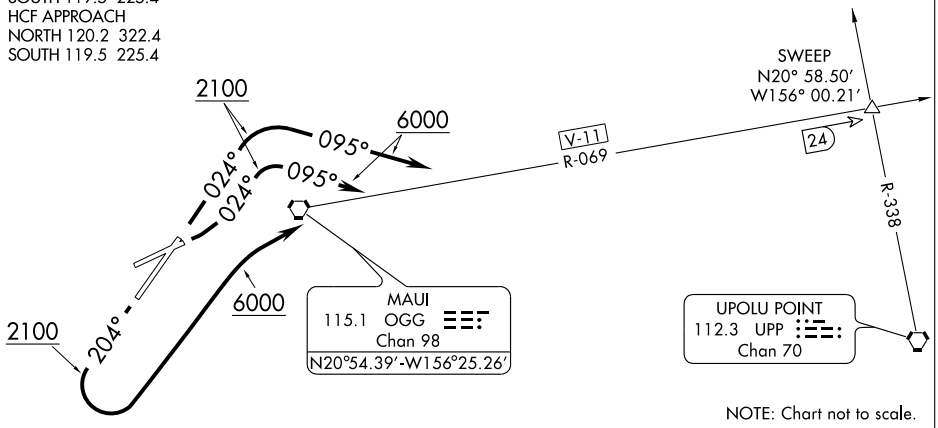
20°54'N-156°26'W

KAHULUI, HAWAII
KAHULUI (OGG)(PHOG)

SWEEP ONE DEPARTURE

ATIS 128.6
CLNC DEL
120.6 290.5
GND CON
121.9 279.6
MAUI TOWER *
118.7 (CTAF) 279.6
MAUI DEP CON
NORTH 120.2 322.4
SOUTH 119.5 225.4
HCF APPROACH
NORTH 120.2 322.4
SOUTH 119.5 225.4

TAKE-OFF MINIMUMS:
Rwy 23: NA Obstacle and ATC.
Rwy 2,5: Standard with ATC climb of 480 feet per NM to 2100.
Rwy 20: Standard with minimum climb of 480 feet per NM to 2100.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 2: Climb heading 024° to 2100 then climbing right turn to 6000 via heading 095° to intercept OGG VORTAC R-069 (V11) to SWEEP INT/OGG 24 DME.

TAKEOFF RUNWAY 5: Climbing left turn heading 024° to 2100 then right turn to 6000 via heading 095° to intercept OGG VORTAC R-069 (V11) to SWEEP INT/OGG 24 DME.

TAKEOFF RUNWAY 20: Climb heading 204° to 2100 then climbing left turn to 6000 direct OGG VORTAC then via OGG R-069 (V11) to SWEEP INT/OGG 24 DME.

TAKEOFF OBSTACLE NOTES:

Rwy 2: Bush/trees beginning 190 feet from DER, 362 feet left of centerline, up to 60 feet AGL/79 feet MSL. Pipe on building 339 feet from DER, 289 feet right of centerline, 20 feet AGL/25 feet MSL. Bush beginning 902 feet from DER, 637 feet right of centerline, up to 20 feet AGL/39 feet MSL.

Rwy 5: Trees 2,359 feet from DER, 512 feet left of centerline, 56 feet AGL/75 feet MSL. Fence beginning 20 feet from DER, 299 feet right of centerline, up to 7 feet AGL/31 feet MSL. Bush/trees beginning 291 feet from DER, 300 feet right of centerline, up to 76 feet AGL/95 feet MSL.

Rwy 20: Bush 22 feet from DER, 236 feet right of centerline, 2 feet AGL/55 feet MSL. Bush/trees beginning 24 feet from DER, 173 feet left of centerline, up to 29 feet AGL/68 feet MSL.

PAC, 23 SEP 2010 to 18 NOV 2010

SWEEP ONE DEPARTURE
KAHULUI, HAWAII
KAHULUI (OGG)(PHOG)
(SWEEP1.SWEEP) 09015

VORTAC OGG 115.1 Chan 98	APP CRS 194°	Rwy ldg 6995 TDZE 25 Apt Elev 54

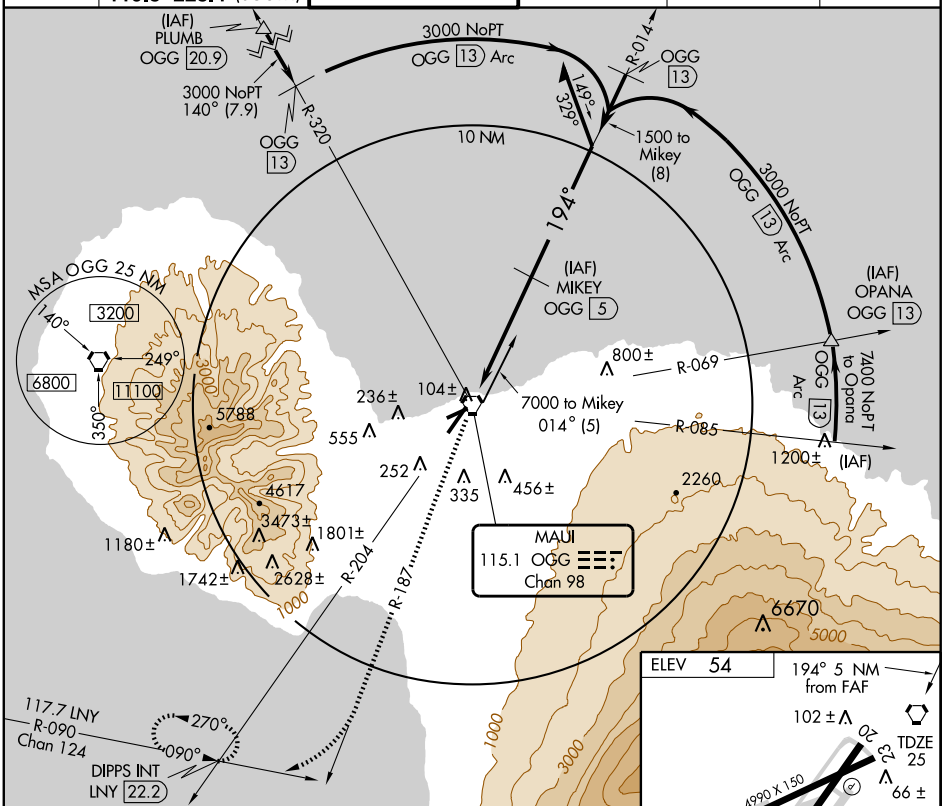
VOR/DME or TACAN RWY 20

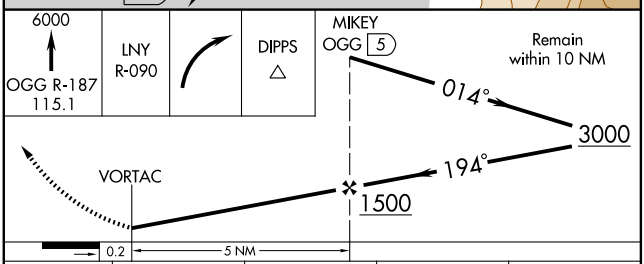
KAHULUI (OGG)(PHOG)

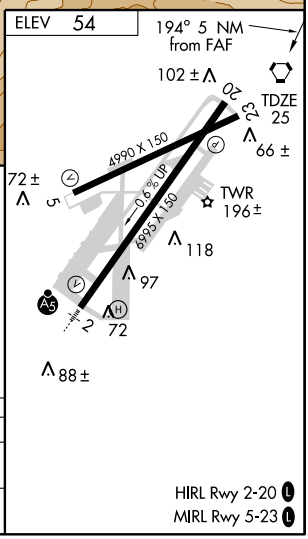
When tower closed, procedure not authorized except for operators with approved weather reporting service.

MISSED APPROACH: Climb to 6000 via OGG VORTAC R-187 to intercept LNY R-090, then climbing right turn direct DIPPS Int and hold.

ATIS	HCF APPROACH	MAUI TOWER★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95







CATEGORY	A	B	C	D
S-20	400-1 375 (400-1)			400-1¼ 375 (400-1¼)
CIRCLING	520-1 466 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	640-2 586 (600-2)

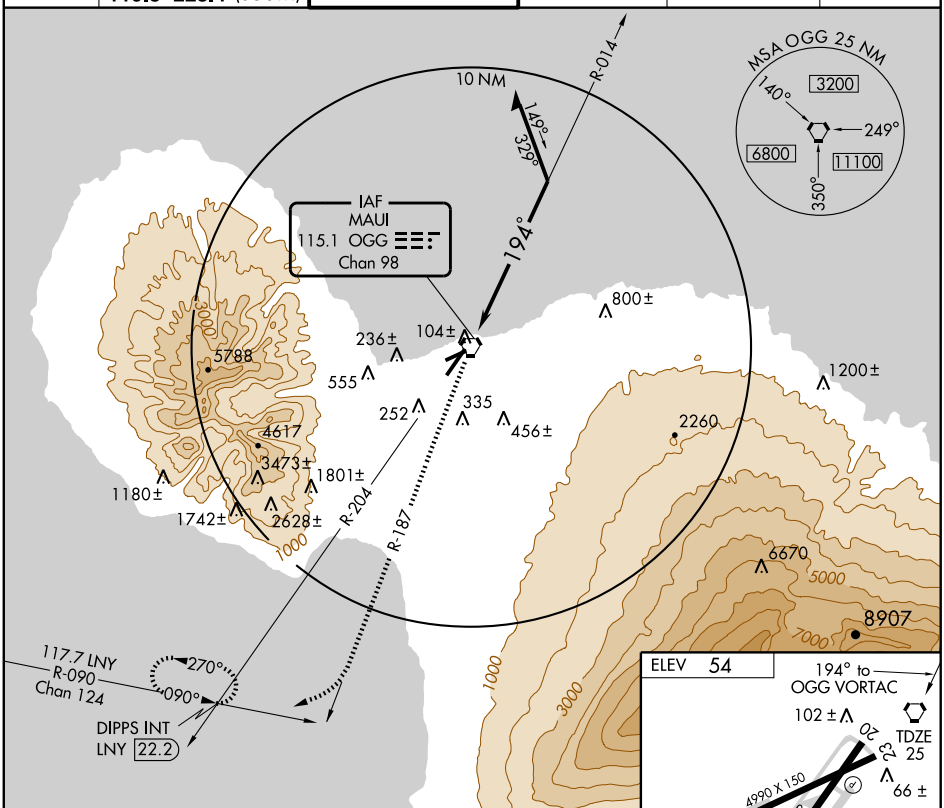
PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

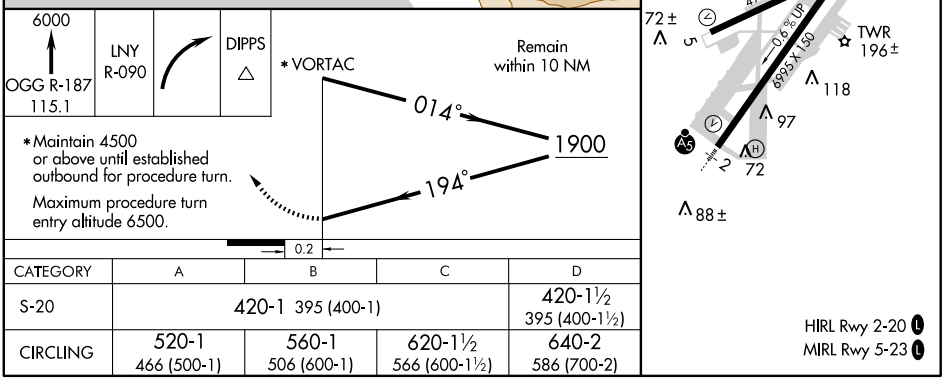
VORTAC OGG	APP CRS	Rwy ldg	6995
115.1	194°	TDZE	25
Chan 98		Apt Elev	54

VOR RWY 20
KAHULUI (OGG)(PHOG)

MISSED APPROACH: Climb to 6000 via OGG R-187 to intercept LNY R-090, then climbing right turn direct DIPPS Int and hold.

ATIS	HCF APPROACH	MAUI TOWER*	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95





*Maintain 4500 or above until established outbound for procedure turn.

Maximum procedure turn entry altitude 6500.

CATEGORY	A	B	C	D
S-20	420-1 395 (400-1)			420-1½ 395 (400-1½)
CIRCLING	520-1 466 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	640-2 586 (700-2)

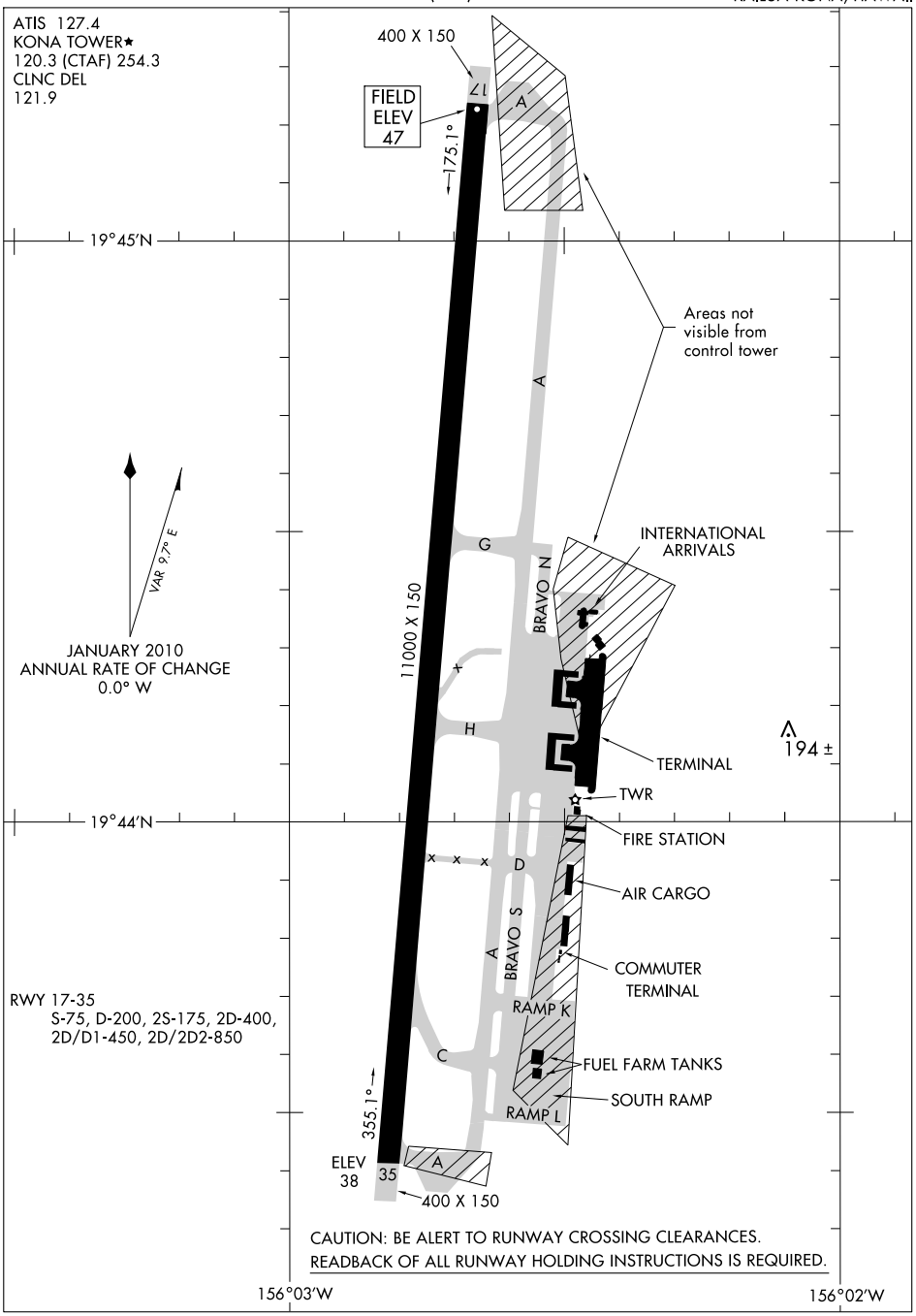
PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

AIRPORT DIAGRAM

KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA)(PHKO)

AL-5761 (FAA)

KAILUA-KONA, HAWAII



PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

AIRPORT DIAGRAM

KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA)(PHKO)

KAILUA-KONA, HAWAII

10266

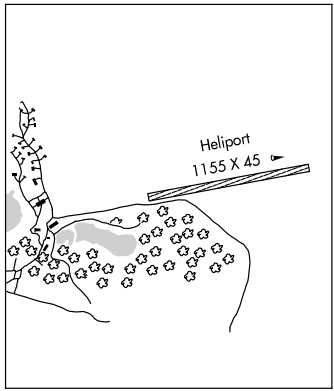
KAUPULEHU HELIPORT (ØØHI) 16 N UTC−10 N19°49.95′ W155°58.90′ **HAWAIIAN–MARIANA**

43 TPA—800(757)

RWY H1: 1155X45 (TRTD)

HELIPORT REMARKS: Attended dawn to dusk. Private use.

COMMUNICATIONS:



KILAUEA N19°26.15′ W155°16.37′ **HAWAIIAN**

RCO 123.6 (HONOLULU RADIO) **2–G**

§ **KONA INTL AT KEAHOLE** (KOA) (PHKO) 6 NW UTC−10 N19°44.33′ W156°02.74′ **HAWAIIAN–MARIANA**

47 B **FUEL** 100, JET A TPA—See Remarks LRA Class I, ARFF Index D NOTAM FILE KOA **2–G**

RWY 17–35: H11000X150 (ASPH–GRVD) S–75, D–200, 2S–175, 2D–400, 2D/D1–450, 2D/2D2–850 HIRL **IAP**

RWY 17: MALSR. PAPI(P4L)—GA 3.0° TCH 60′. Terrain. Rgt tfc. **RWY 35:** PAPI(P4L)—GA 3.0° TCH 60′.

AIRPORT REMARKS: Attended 1600–0800Z. Migratory bird activity within a 5 NM radius of arpt. All wide–body aircraft contact tower prior to engine start. Kona Tower not responsible for movement on ramp within demarcation line. Request four engine acft taxi with outboard engines at idle due to narrow twy. Minor powerplant repairs available. Traffic pattern altitudes small aircraft 800(753) large aircraft 1500(1453). Rwy 17–35 double dual tandem wheel for DC10–10 450,000 lbs GWT, B747–SP 700,000 lbs GWT, B747–100 850,000 lbs GWT. Ramp immediately in front of twr limited to acft weighing 30000 lbs or less. PPR from arpt manager for transient parking call 808–327–9520. Itinerant acft parking at the base of the twr shall enter and exit via Twy Delta. Class A and B explosives prohibited. PPR from arpt manager for transportation of Class C explosives and hazardous material in and out of arpt. Use minimum power to taxi lane and out of parking spots. Push back/pull out required from terminal parking positions for all acft, no power out. Helicopter operations on and invof Twy Alpha. All helicopters confine operations to paved areas. Jet A and 100 octane fuel available daily 1800–0300Z, other times with prior arrangements, call 808–329–4682. U.S. Customs located on north ramp. Jet acft on cargo and south ramp ctc twr prior to engine start. ACTIVATE HIRL Rwy 17–35 and twy lgts—CTAF.

WEATHER DATA SOURCES: ASOS (808) 329–0412. LAWRS.

COMMUNICATIONS: CTAF 120.3 **ATIS** 127.4

RCO 122.1R 115.7T (HONOLULU RADIO)

HONOLULU CONTROL FACILITY APP/DEP CON 126.0

TOWER 120.3 (1600–0800Z) **CLNC DEL** 121.9

AIRSPACE: CLASS D svc effective 1600–0800Z other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE KOA.

(H) VORTAC 115.7 IAI Chan 104 N19°39.27′ W156°01.49′ 336° 5.2 NM to fld. 50/11E.

ILS/DME 109.7 I–KOA Chan 34 Rwy 17. Unmonitored when tower closed. DME unmonitored 24 hours. LOC backcourse unusable 25° left and right of centerline.

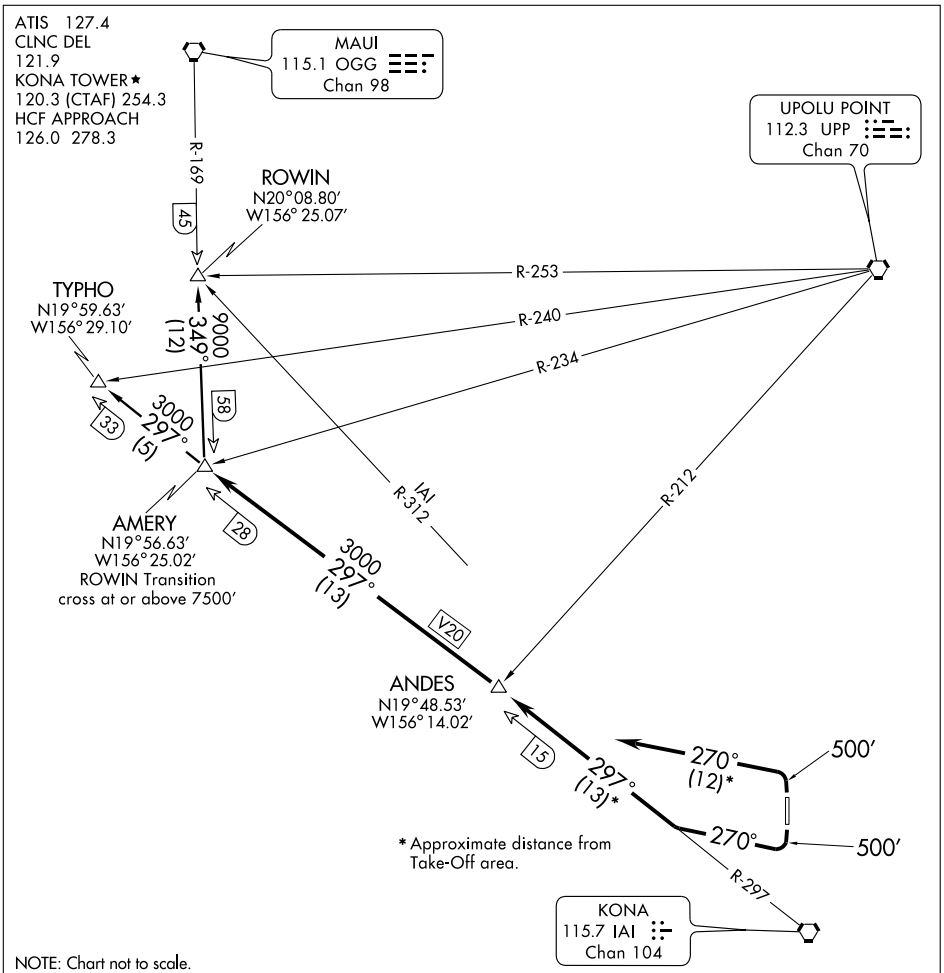
PAHOA N19°32.47′ W154°58.33′ NOTAM FILE ITO. **HAWAIIAN–MARIANA**

NDB (HW) 332 POA 327° 11.6 NM to Hilo Intl. Unmonitored when twr clsd. **2–H**

AMERY TWO DEPARTURE

SL-5761 (FAA)

KAILUA-KONA, HAWAII



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 17: Climb on runway heading to 500 ft., then climbing right turn to heading 270°, intercept IAI R-297 to AMERY INT. Thence via (transition).

TAKE-OFF RUNWAY 35: Climb on runway heading to 500 ft., then climbing left turn to heading 270°, intercept IAI R-297 to AMERY INT. Thence via (transition).

ROWIN TRANSITION (AMERY2.ROWIN): From AMERY INT via OGG R-169 to ROWIN INT.

TYPHO TRANSITION (AMERY2.TYPHO): From AMERY INT via IAI R-297 to TYPHO INT.

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

LOC/DME I-KOA	APP CRS	Rwy ldg	11000
109.7	174°	TDZE	47
Chan 34		Apt Elev	47

ILS or LOC/DME RWY 17

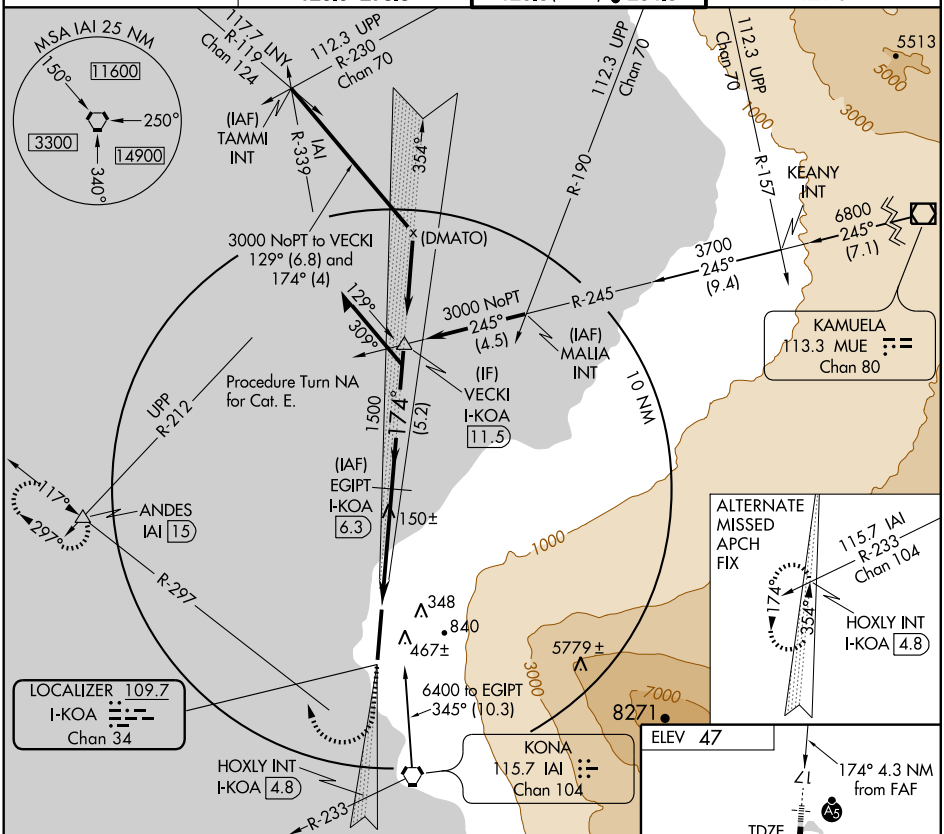
KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA)(PHKO)

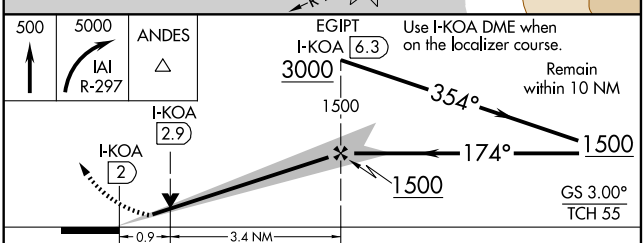
For inoperative MALSR, increase S-ILS Rwy 17 Cat E visibility to ¾ , and S-LOC 17 Cat E visibility to 1¼ .
Circling NA east of Rwy 17-35.
Autopilot coupled approach NA below 415.

MALSR

MISSED APPROACH: Climb to 500 then climbing right turn to 5000 via IAI VORTAC R-297 to ANDES INT/IAI 15 DME and hold, continue climb-in-hold to 5000.

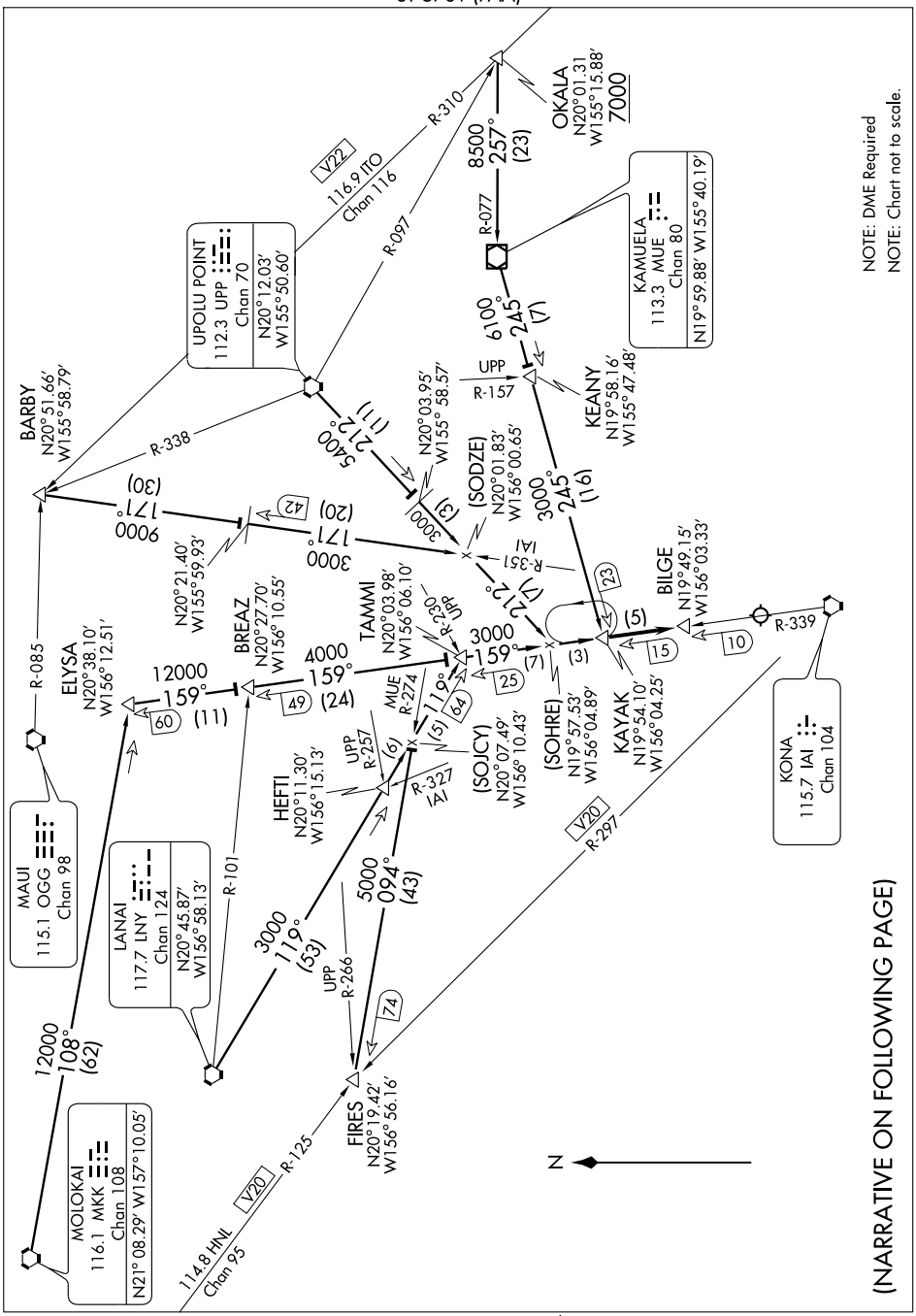
ATIS	HCF APPROACH	KONA TOWER ★	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) 254.3	121.9





CATEGORY	A	B	C	D	E
S-ILS 17	247-½ 200 (200-½)				
S-LOC 17	400-½ 353 (400-½)			400-¾ 353 (400-¾)	
CIRCLING	460-1 413 (500-1)	500-1 453 (500-1)	500-1½ 453 (500-1½)	600-2 553 (600-2)	

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010


OKALA
N20°01.31'
W155°15.88'
7000
8500
257°
(23)
R-077
6100
245°
(7)
KAMUELA
113.3 MUE
Chan 80
N19°59.88' W155°40.19'
KEANY
N19°58.16'
W155°47.48'
UPP
R-157
V22
116.9 ITO
Chan 116
R-310
R-097
UPOLU POINT
112.3 UPP
Chan 70
N20°12.03'
W155°50.60'
BARBY
N20°51.66'
W155°58.79'
R-338
5400
212°
(11)
N20°03.95'
W155°58.57'
3000
(3)
(SODZE)
N20°01.83'
W156°00.65'
3000
245°
(16)
9000
171°
(30)
3000
171°
(20)
42
N20°21.40'
W155°59.93'
R-351
IAI
212°
(1)
23
BILGE
N19°49.15'
W156°03.33'
R-339
10
15
(5)
ELYSA
N20°38.10'
W156°12.51'
R-085
12000
159°
(11)
60
BREAZ
N20°27.70'
W156°10.55'
4000
159°
(24)
49
TAMMI
N20°03.98'
W156°06.10'
R-230
UPP
3000
159°
(7)
25
(3)
MUE
R-274
119°
64
(5)
(SOJCY)
N20°07.49'
W156°10.43'
(SOHRE)
N19°57.53'
W156°04.89'
KAYAK
N19°54.10'
W156°04.25'
KONA
115.7 IAI
Chan 104
MAUI
115.1 OGG
Chan 98
LANAI
117.7 LNY
Chan 124
N20°45.87'
W156°58.13'
R-101
HEFTI
N20°11.30'
W156°15.13'
UPP
R-257
(6)
R-327
IAI
V20
R-297
3000
119°
(53)
UPP
R-266
5000
094°
(43)
74
12000
108°
(62)
MOLOKAI
116.1 MKK
Chan 108
N21° 08.29' W157°10.05'
FIRES
N20°19.42'
W156°56.16'
R-125
V20
114.8 HNL
Chan 95
N
NOTE: DME Required
NOTE: Chart not to scale.
(NARRATIVE ON FOLLOWING PAGE)

ARRIVAL DESCRIPTION

BARBY TRANSITION (BARBY.KAYAK4): From over BARBY INT via IAI R-351, UPP R-212 and IAI R-339 to KAYAK INT. Thence....
FIRES TRANSITION (FIRES.KAYAK4): From over FIRES INT via MUE R-274, LNY R-119 and IAI R-339 to KAYAK INT. Thence....
HEFTI TRANSITION (HEFTI.KAYAK4): From over HEFTI INT via LNY R-119 and IAI R-339 to KAYAK INT. Thence....
LANAI TRANSITION (LNY.KAYAK4): From over LNY VORTAC via LNY R-119 and IAI R-339 to KAYAK INT. Thence....
MOLOKAI TRANSITION (MKK.KAYAK4): From over MKK VORTAC via MKK R-108 and IAI R-339 to KAYAK INT. Thence....
OKALA TRANSITION (OKALA.KAYAK4): From over OKALA INT via MUE R-077 to MUE VOR/DME. Then via MUE R-245 to KAYAK INT. Thence....
UPOLU TRANSITION (UPP.KAYAK4): From over UPP VORTAC via UPP R-212 and IAI R-339 to KAYAK INT. Thence....
....From over KAYAK INT via IAI R-339 to BILGE DME.

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LOC/DME I-KOA	APP CRS	Rwy ldg 11000
109.7	354°	TDZE 37
Chan 34		Apt Elev 47

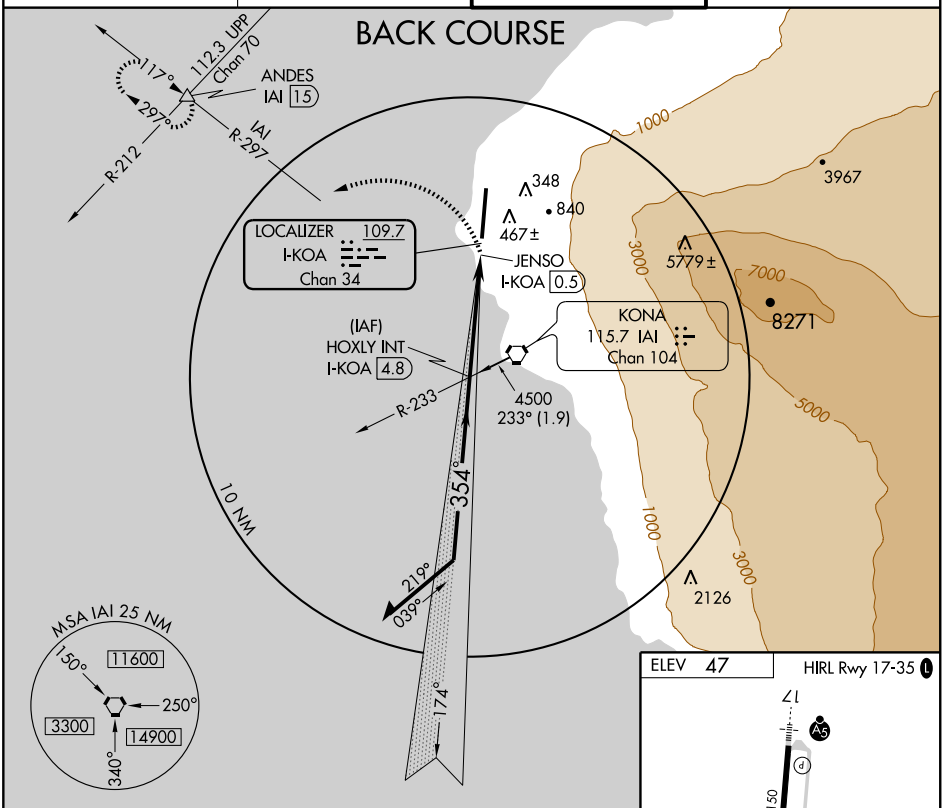
LOC BC RWY 35

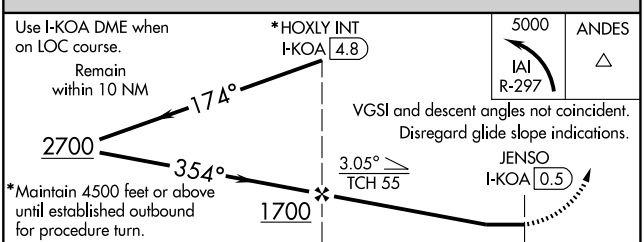
KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)

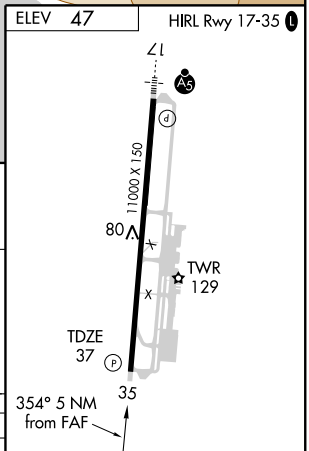
Circling NA east of Rwy 17-35.

MISSED APPROACH: Climbing left turn to 5000 via IAI R-297 to ANDES INT/IAI 15 DME and hold, continue climb-in-hold to 5000.

ATIS	HCF APPROACH	KONA TOWER*	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9







CATEGORY	A	B	C	D
S-35	400-1 363 (400-1)			400-1¼ 363 (400-1¼)
CIRCLING	460-1 413 (500-1)	500-1 453 (500-1)	500-1½ 453 (500-1½)	600-2 553 (600-2)

FAF to MAP 4.3 NM					
Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	11000
174°	TDZE	47
	Apt Elev	47

RNAV (GPS) RWY 17

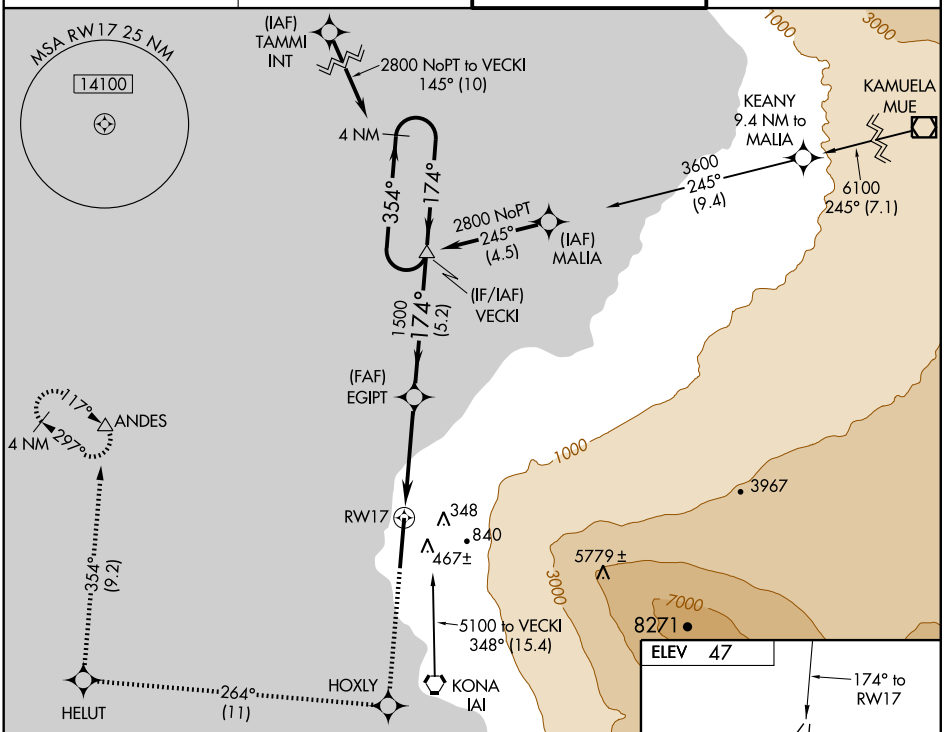
KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)

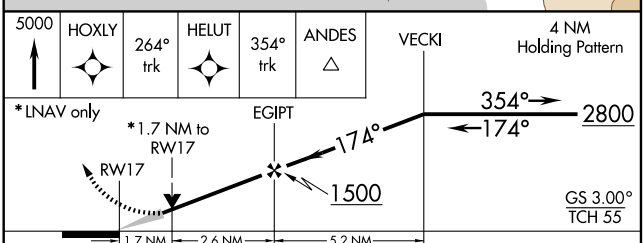
T A NA — Baro-VNAV NA below -5°C (23°F). GPS or RNP-0.3 required. DME/DME RNP-0.3 NA. Circling NA east of Rwy 17-35. WAAS VNAV NA.

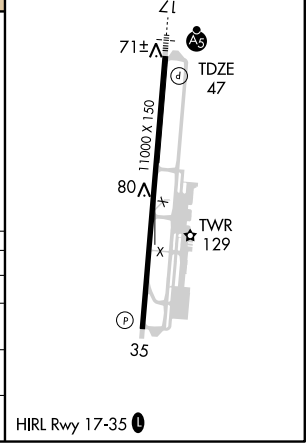
MALSR A5

MISSED APPROACH: Climb to 5000 direct HOXLY WP and via 264° track to HELUT WP and via 354° track to ANDES WP and hold.

ATIS	HCF APPROACH	KONA TOWER ★	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9







CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/ VNAV DA	540-1¼ 493 (500-1¼)			
LNAV MDA	640-½ 593 (600-½)		640-1 593 (600-1)	640-1¼ 593 (600-1¼)
CIRCLING	640-1¾ 593 (600-1¾)			640-2 593 (600-2)

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	11000
354°	TDZE	37
	Apt Elev	47

RNAV (GPS) Y RWY 35

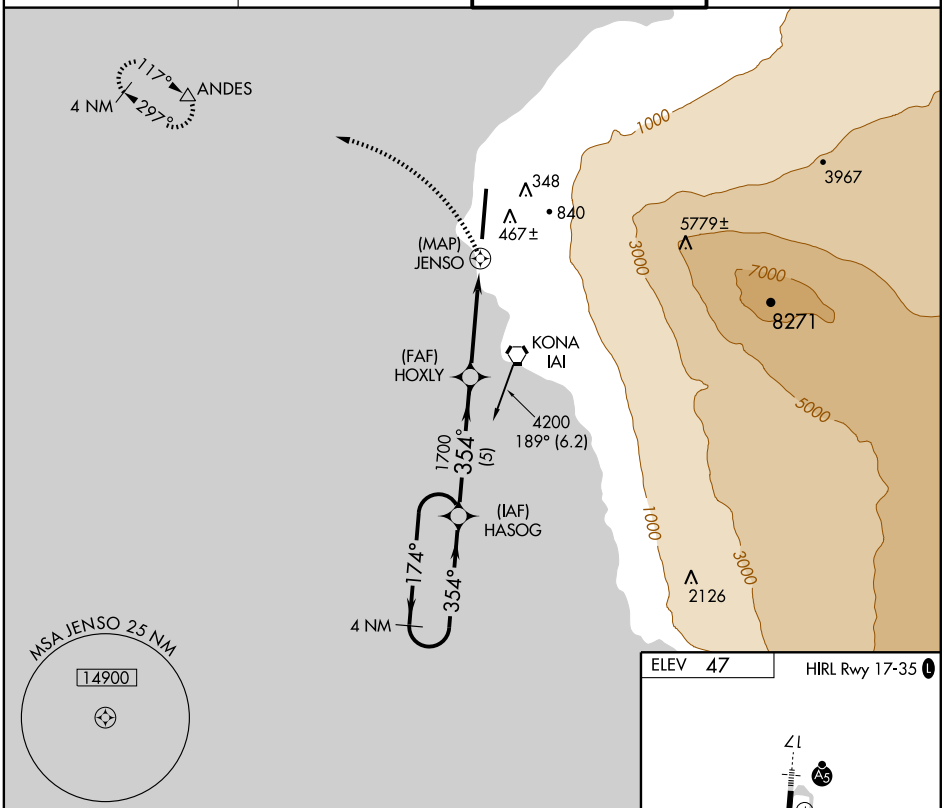
KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)

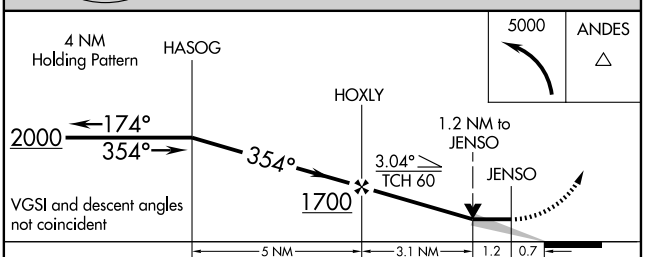
NA

Circling NA east of Rwy 17-35.
GPS or RNP-0.3 required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 5000 direct ANDES WP and hold.

ATIS	HCF APPROACH	KONA TOWER★	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9

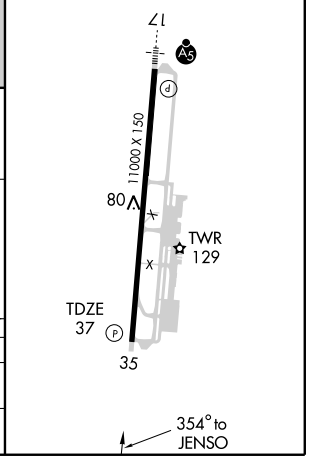




CATEGORY	A	B	C	D	E
LNAV MDA	400-1 363 (400-1)			400-1¼ 363 (400-1¼)	
CIRCLING	460-1 413 (500-1)	500-1 453 (500-1)	500-1½ 453 (500-1½)	600-2 553 (600-2)	

ELEV 47

HIRL Rwy 17-35 L



PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	11000
354°	TDZE	37
	Apt Elev	47

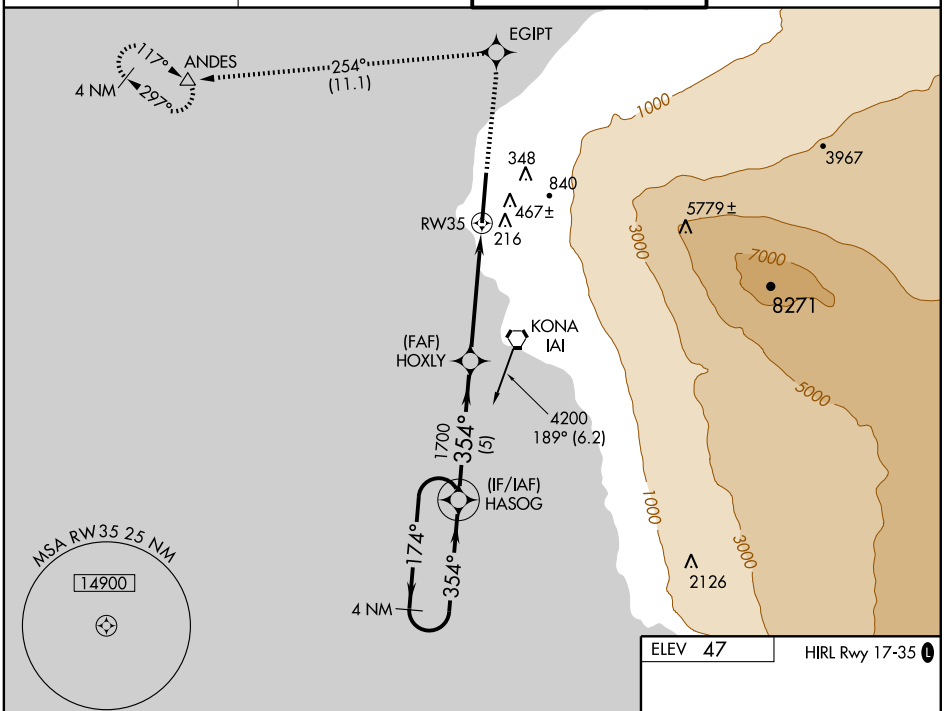
RNAV (GPS) Z RWY 35

KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)

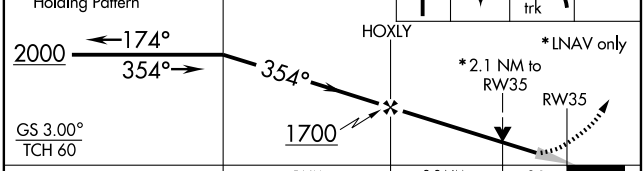
Circling NA east of Rwy 17-35.
Baro-VNAV NA below -5°C (23°F).
GPS or RNP-0.3 required. DME/DME RNP-0.3 NA.
WAAS VNAV NA.

MISSED APPROACH: Climb to 5000 direct EGIPT WP and left turn via 254° track to ANDES WP and hold.

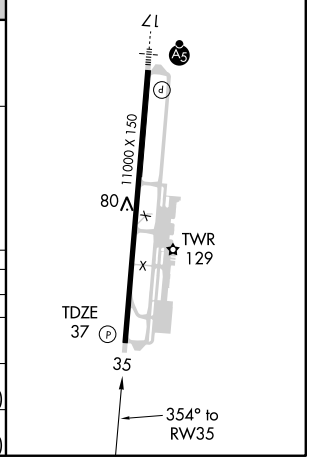
ATIS	HCF APPROACH	KONA TOWER ★	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9



ELEV 47 HIRL Rwy 17-35 L



CATEGORY	A	B	C	D	E
GLS PA DA	NA				
LNAV/ VNAV DA	540-1¾ 503 (500-1¾)				
LNAV MDA	640-1 603 (600-1)		640-1¾ 603 (600-1¾)	640-2 603 (600-2)	640-2¼ 603 (600-2¼)
CIRCLING	640-1¾ 593 (600-1¾)			640-2 593 (600-2)	640-2¼ 593 (600-2¼)

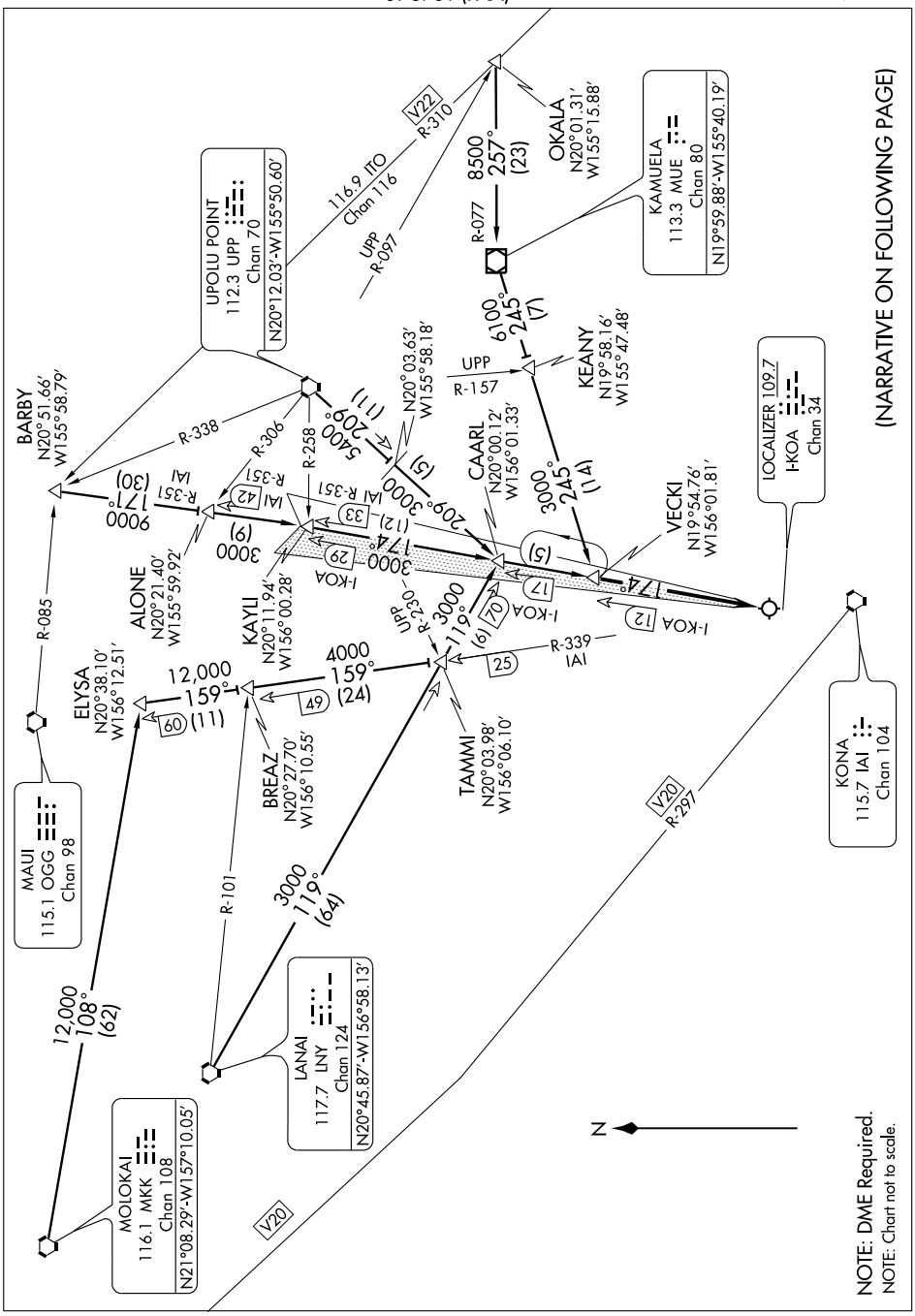


PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

VECKI SIX ARRIVAL

KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)
ST-5761 (FAA)
KAILUA-KONA, HAWAII



PAC, 23 SEP 2010 to 18 NOV 2010

VECKI SIX ARRIVAL
(VECKI.VECKI6) 07018
KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)
KAILUA-KONA, HAWAII

ARRIVAL DESCRIPTION

BARBY TRANSITION (BARBY.VECKI6): From over BARBY INT via IAI R-351 and I-KOA localizer course to VECKI INT. Thence....
LANAI TRANSITION (LNY.VECKI6): From over LNY VORTAC via LNY R-119 and I-KOA localizer course to VECKI INT. Thence....
MOLOKAI TRANSITION (MKK.VECKI6): From over MKK VORTAC via MKK R-108, IAI VORTAC R-339, LNY R-119 and I-KOA localizer course to VECKI INT. Thence....
OKALA TRANSITION (OKALA.VECKI6): From over OKALA INT via MUE VOR/DME R-077 to MUE VOR/DME. Thence from over MUE VOR/DME via MUE R-245 to VECKI INT. Thence....
UPOLU TRANSITION (UPP.VECKI6): From over UPP VORTAC via UPP R-209 and I-KOA localizer course to VECKI INT. Thence....
....From over VECKI INT via I-KOA localizer course to KEAHOLE-KONA INTL AIRPORT.

PAC, 23 SEP 2010 to 18 NOV 2010

VORTAC IAI 115.7 Chan 104	APP CRS 159°	Rwy ldg 11000 TDZE 47 Apt Elev 47

VOR/DME or TACAN RWY 17

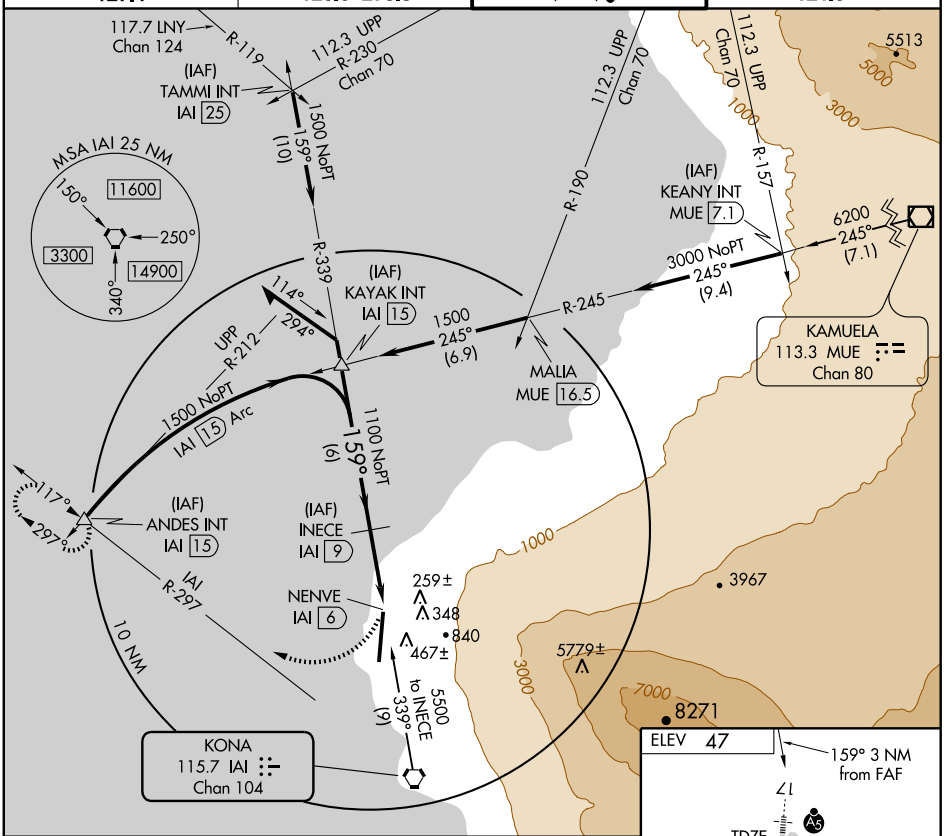
KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)

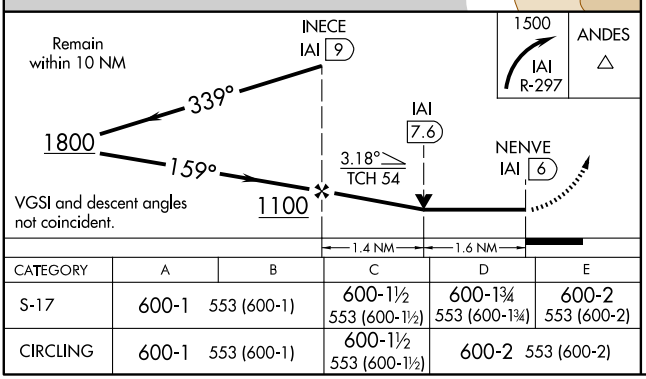
Circling NA east of Rwy 17-35.
Procedure turn NA Cat E aircraft.
Inoperative table does not apply.

MALSR

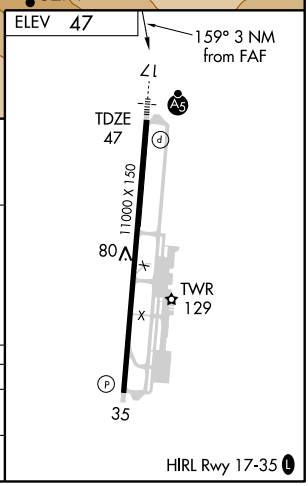
MISSED APPROACH: Climbing right turn to 1500 via IAI R-297 to ANDES INT/IAI 15 DME and hold.

ATIS	HCF APPROACH	KONA TOWER*	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9





CATEGORY	A	B	C	D	E
S-17	600-1 553 (600-1)		600-1½ 553 (600-1½)	600-1¾ 553 (600-1¾)	600-2 553 (600-2)
CIRCLING	600-1 553 (600-1)		600-1½ 553 (600-1½)	600-2 553 (600-2)	



PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

VORTAC IAI	APP CRS	Rwy ldg	11000
115.7	330°	TDZE	37
Chan 104		Apt Elev	47

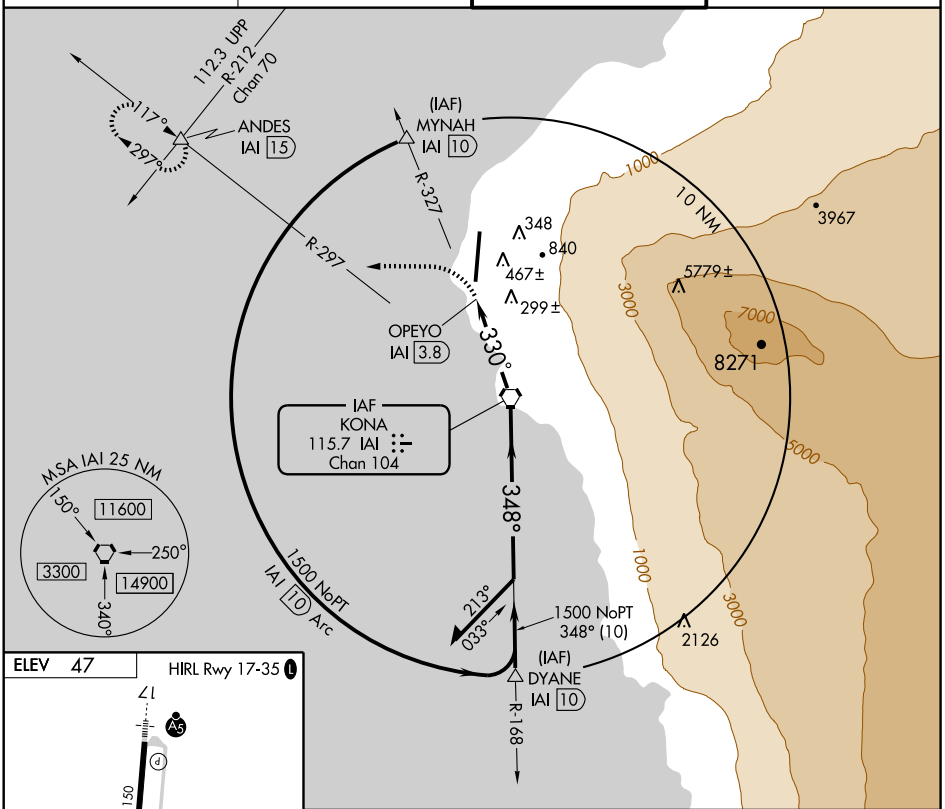
VOR or TACAN RWY 35

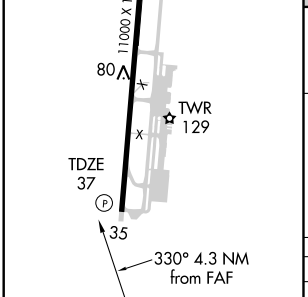
KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)

Circling NA east of Rwy 17-35.
Procedure turn NA for Cat E aircraft.

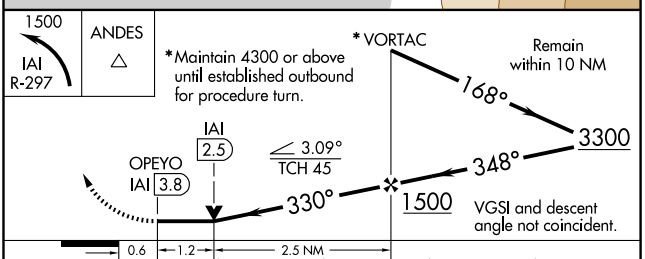
MISSED APPROACH: Climbing left turn to 1500 via IAI R-297 to ANDES INT/IAI 15 DME and hold.

ATIS	HCF APPROACH	KONA TOWER*	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9





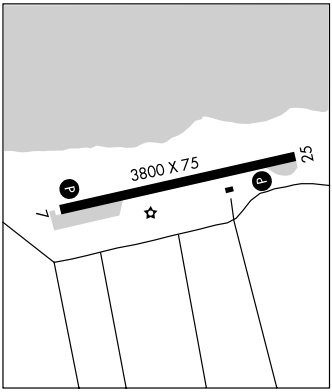
FAF to MAP 3.8 NM					
Knots	60	90	120	150	180
Min:Sec	3:48	2:32	1:54	1:31	1:16



CATEGORY	A	B	C	D	E
S-35	560-1	523 (600-1)	560-1½ 523 (600-1½)	560-1¾	523 (600-1¾)
CIRCLING	560-1	513 (600-1)	560-1½ 513 (600-1½)	600-2	553 (600-2)

PAC, 23 SEP 2010 to 18 NOV 2010

§ **UPOLU** (UPP)(PHUP) 3 NW UTC−10 N20°15.91′ W155°51.60′ **HAWAIIAN–MARIANA**
96 B TPA—See Remarks NOTAM FILE UPP **2–G**
RWY 07–25: H3800X75 (ASPH) S–30, D–129, 2S–156 MIRL
RWY 07: PAPI(P2L)—GA 3.0° TCH 29′.
RWY 25: PAPI(P2L)—GA 3.0° TCH 32′. Hill. Rgt tfc.
AIRPORT REMARKS: Unattended. No facilities. PPR for transient parking. PPR from arpt manager phone 808–327–9520 for transportation of Class A and B explosives in or out of arpt. Occasional flocks of birds on and invof arpt. All helicopters confine ops to paved areas only. Traffic pattern altitudes small acft 800 (704), large acft 1500 (1404). ACTIVATE MIRL Rwy 07–25 and PAPI Rwy 07 and Rwy 25—CTAF. NOTE: See Area Notices—TRAFFIC ADVISORIES AT NON–TOWER AIRPORTS.
COMMUNICATIONS: CTAF 122.9
UPOLU POINT RCO 122.1R 112.3T (HONOLULU RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE UPP.
UPOLU POINT (H) VORTAC 112.3 UPP Chan 70 N20°12.03′ W155°50.60′ 335° 4.0 NM to fld. 1760/11E.



UPOLU POINT N20°12.03′ W155°50.60′ NOTAM FILE UPP. **HAWAIIAN–MARIANA**
(H) VORTAC 112.3 UPP Chan 70 335° 4.0 NM to Upolu. 1760/11E. **2–G**
RCO 122.1R 112.3T (HONOLULU RADIO)

§ **WAIMEA–KOHALA** (MUE) (PHMU) 1 SW UTC−10 N20°00.08′ W155°40.09′ **HAWAIIAN–MARIANA**
2671 B **FUEL** 100LL TPA—See Remarks NOTAM FILE MUE **2–G**
RWY 04–22: H5197X100 (ASPH) S–55, D–90, 2S–110, 2T–263, 2D–150 MIRL **IAP**
RWY 04: REIL. VASI(V4R)—GA 2.5° TCH 43′. Rgt tfc. **RWY 22:** REIL. VASI(V4L)—GA 3.0° TCH 36′. Fence.
AIRPORT REMARKS: Attended 1600–0530Z. For fuel call 808–885–3300. Telephone line 1000′ from approach end Rwy 04. Rwy 04 30′ trees 275′ rgt of centerline 3000′ from approach end rwy. PPR for transient parking. PPR from arpt manager phone 808–327–9520 for transportation of Class A and B explosives in or out of arpt. Occasional flocks of pigeons on arpt and near Rwy 04–22. Glider activity on and invof arpt. All helicopters confine ops to paved areas only. Traffic pattern altitudes small acft 3500 (829), large acft 4200 (1529). VASI Rwy 04 unusable byd 8° left of centerline. VASI Rwy 22 unusable byd 5° left and right of centerline. ACTIVATE MIRL Rwy 04–22—CTAF. NOTE: See Area Notices—TRAFFIC ADVISORIES AT NON–TOWER AIRPORTS.
WEATHER DATA SOURCES: AWOS–3 120.0 (808) 887–8127.
COMMUNICATIONS: CTAF 122.9
HONOLULU CONTROL FACILITY APP/DEP CON 126.0
AIRSPACE: CLASS E svc Mon–Fri 1800–0400Z other times CLASS G.
RADIO AIDS TO NAVIGATION: NOTAM FILE MUE.
KAMUELA (H) VOR/DME 113.3 MUE Chan 80 N19°59.88′ W155°40.19′ at fld. 2670/11E.

KAUAI

BARKING SANDS PMRF (BKH) (PHBK) N22°01.37′W159°47.10′ **HAWAIIAN–MARIANA**
AIRSPACE CLASS D svc Mon–Fri 1700–0400Z except holidays. **2–F**

APP CRS	Rwy ldg	5197
055°	TDZE	2671
	Apt Elev	2671

RNAV (GPS) RWY 4

KAMUELA/ WAIMEA-KOHALA(MUE)(PHMU)

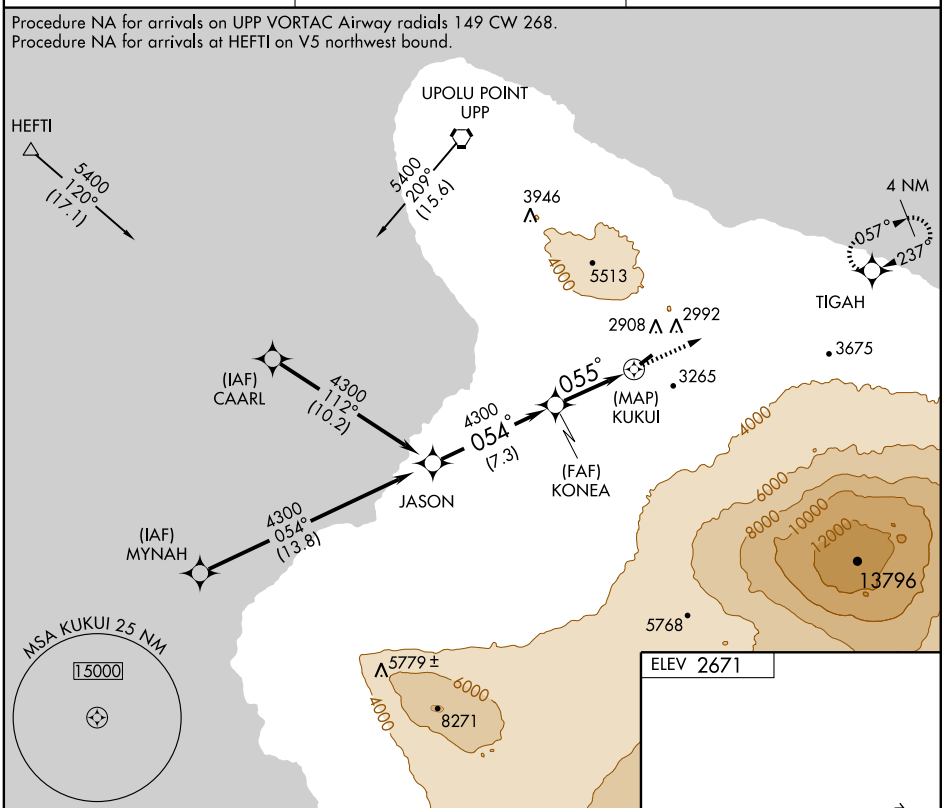
T
A NA

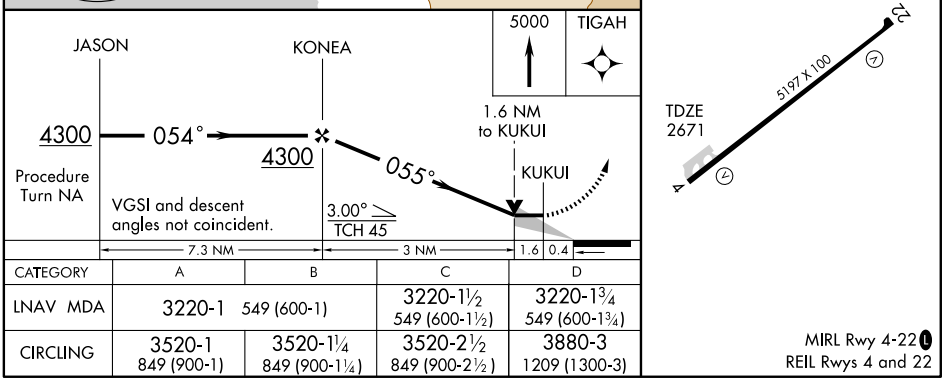
Circling not authorized NW of Rwy 04-22.
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 5000 direct TIGAH WP and hold.

AWOS-3	HCF APPROACH	CTAF
120.0	126.0 278.3	122.9 L

Procedure NA for arrivals on UPP VORTAC Airway radials 149 CW 268.
Procedure NA for arrivals at HEFTI on V5 northwest bound.





CATEGORY	A	B	C	D
LNAV MDA	3220-1 549 (600-1)		3220-1½ 549 (600-1½)	3220-1¾ 549 (600-1¾)
CIRCLING	3520-1 849 (900-1)	3520-1¼ 849 (900-1¼)	3520-2½ 849 (900-2½)	3880-3 1209 (1300-3)

MIRL Rwy 4-22 L
REIL Rwys 4 and 22

PAC, 23 SEP 2010 to 18 NOV 2010

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APP CRS	Rwy ldg	5197
235°	TDZE	2671
	Apt Elev	2671

RNAV (GPS) RWY 22

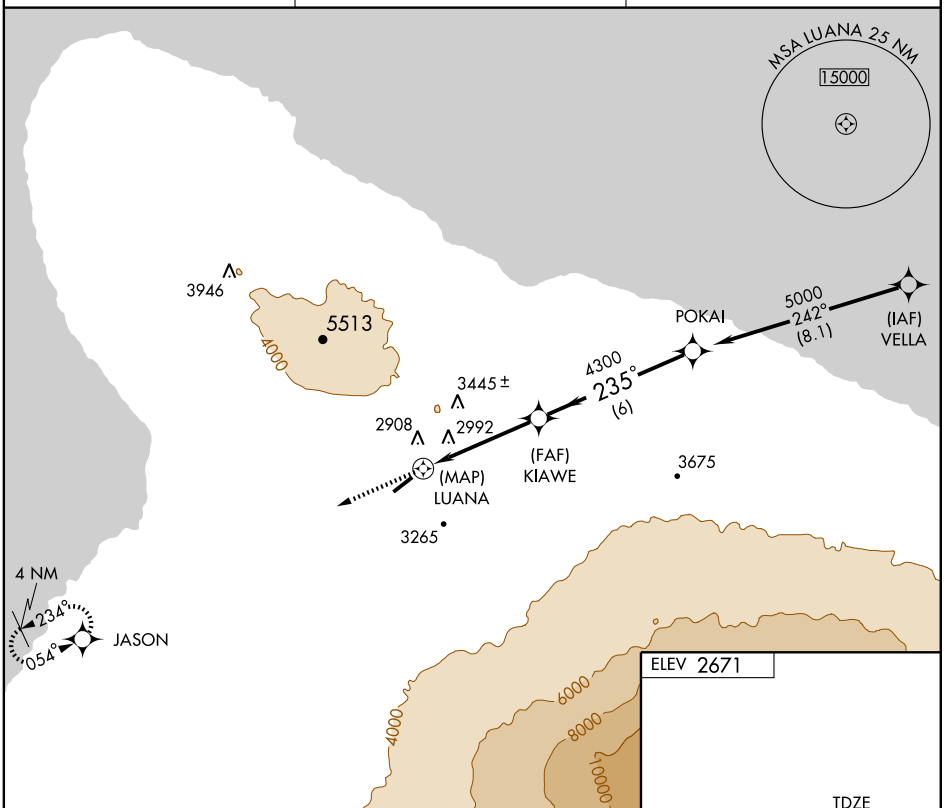
KAMUELA/ WAIMEA-KOHALA(MUE)(PHMU)

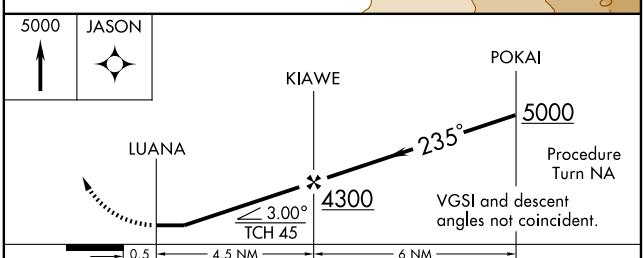
T A NA

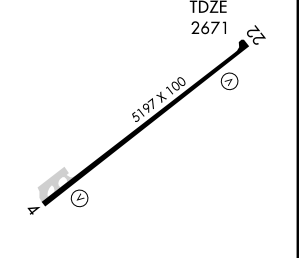
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
Circling not authorized NW of Rwy 04-22.
Straight-in minimums NA at night.

MISSED APPROACH: Climb to 5000 direct JASON WP and hold.

AWOS-3	HCF APPROACH	CTAF
120.0	126.0 278.3	122.9 L







CATEGORY	A	B	C	D
LNAV MDA	3660-1¼ 989 (1000-1¼)	3660-1½ 989 (1000-1½)	3660-3 989 (1000-3)	
CIRCLING	3660-1¼ 989 (1000-1¼)	3660-1½ 989 (1000-1½)	3660-3 989 (1000-3)	3880-3 1209 (1300-3)

MIRL Rwy 4-22 L
REIL Rwys 4 and 22

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VOR/DME MUE	APP CRS	Rwy ldg	N/A
113.3	237°	TDZE	N/A
Chan 80		Apt Elev	2671

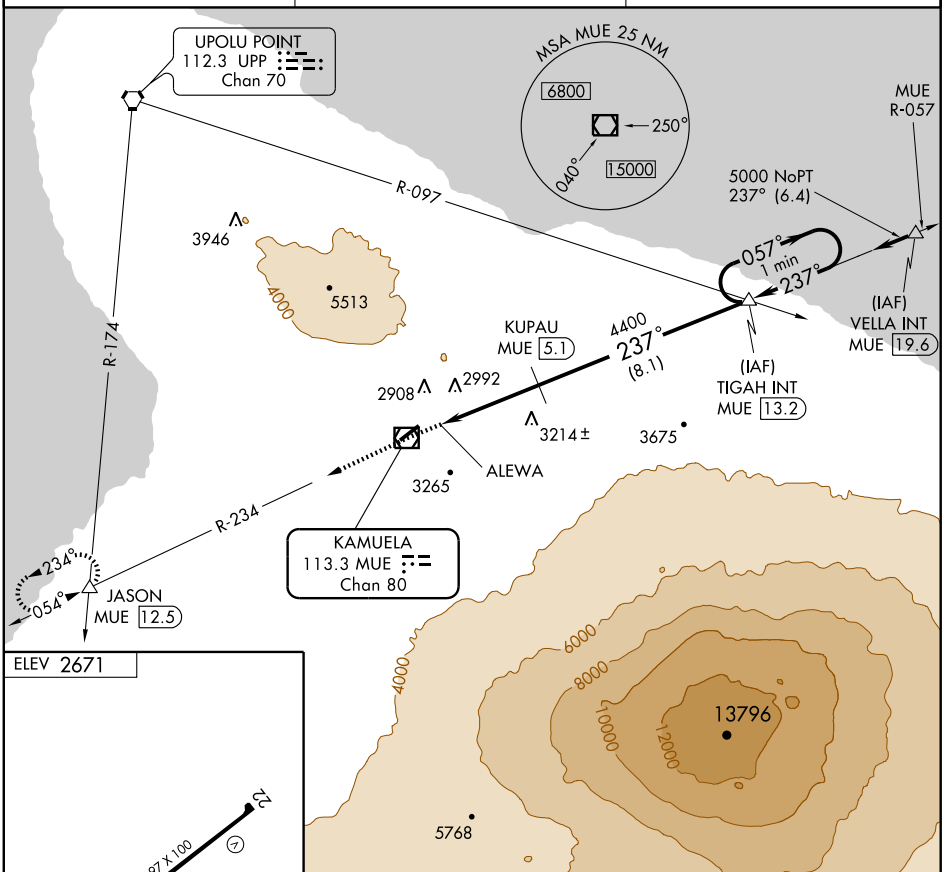
VOR/DME-A

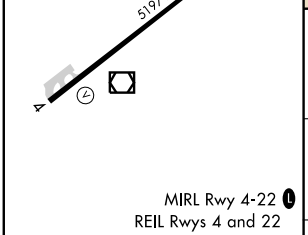
KAMUELA/ WAIMEA-KOHALA(MUE)(PHMU)

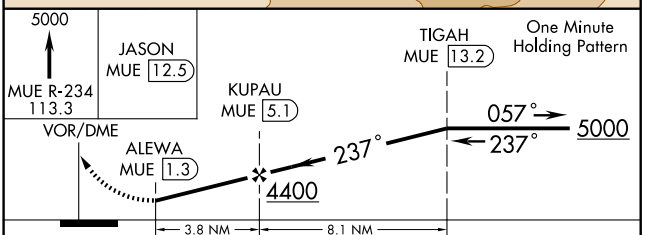
Circling NA NW of Rwy 4-22.

MISSED APPROACH: Climb to 5000 via MUE R-234 to JASON Int/12.5 DME and hold.

AWOS-3	HCF APPROACH	CTAF
120.0	126.0 278.3	122.9







Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
CIRCLING	3680-1¼ 1009 (1100-1¼)	3680-1½ 1009 (1100-1½)	3680-3 1009 (1100-3)	3880-3 1209 (1300-3)

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PAC, 23 SEP 2010 to 18 NOV 2010

VOR/DME MUE	APP CRS	Rwy ldg	5197
113.3	054°	TDZE	2671
Chan 80		Apt Elev	2671

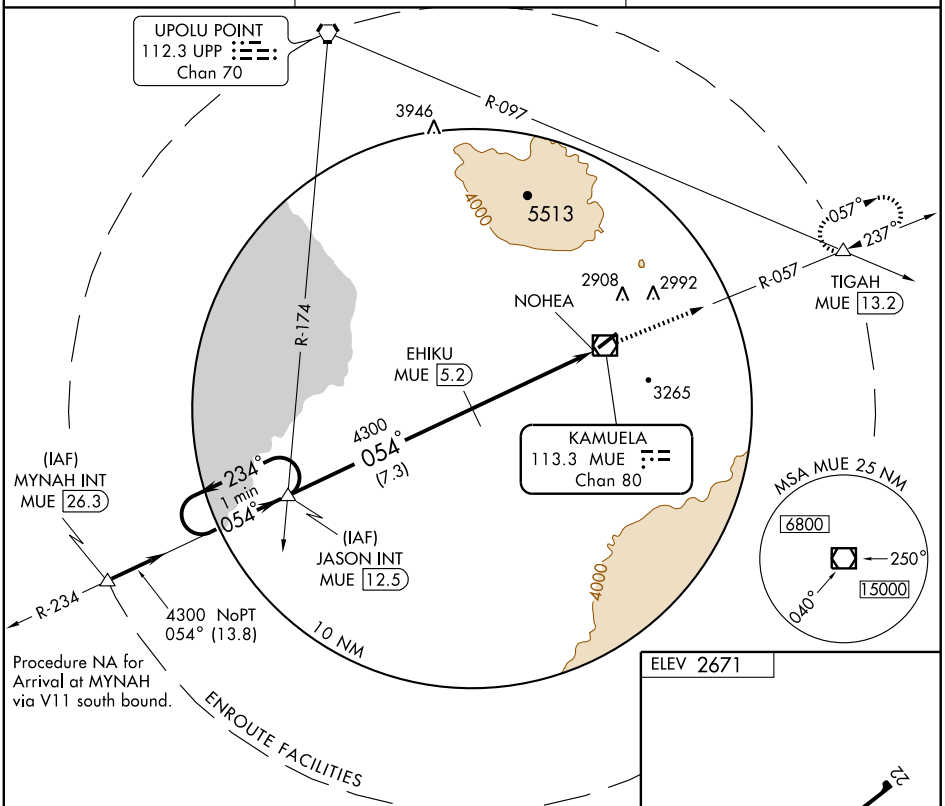
VOR/DME RWY 4

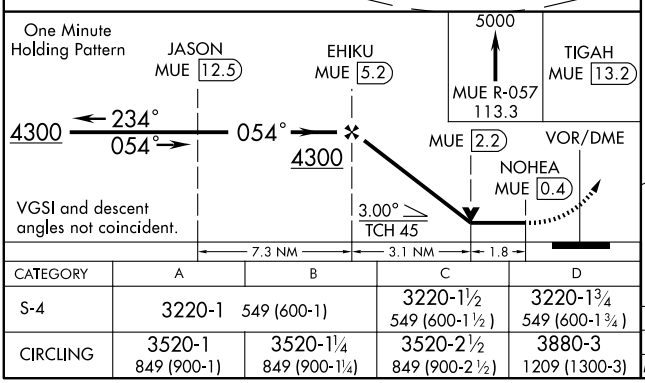
KAMUELA/ WAIMEA-KOHALA (MUE)(PHMU)

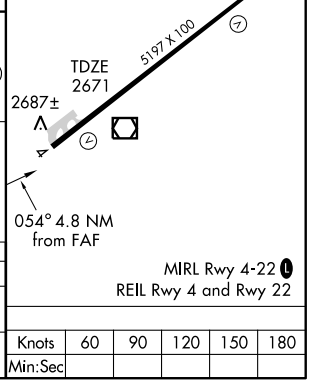
Circling NA NW of Rwy 4-22.

MISSED APPROACH: Climb to 5000 via MUE R-057 to TIGAH Int/13.2 DME and hold.

AWOS-3	HCF APPROACH	CTAF
120.0	126.0 278.3	122.9 L



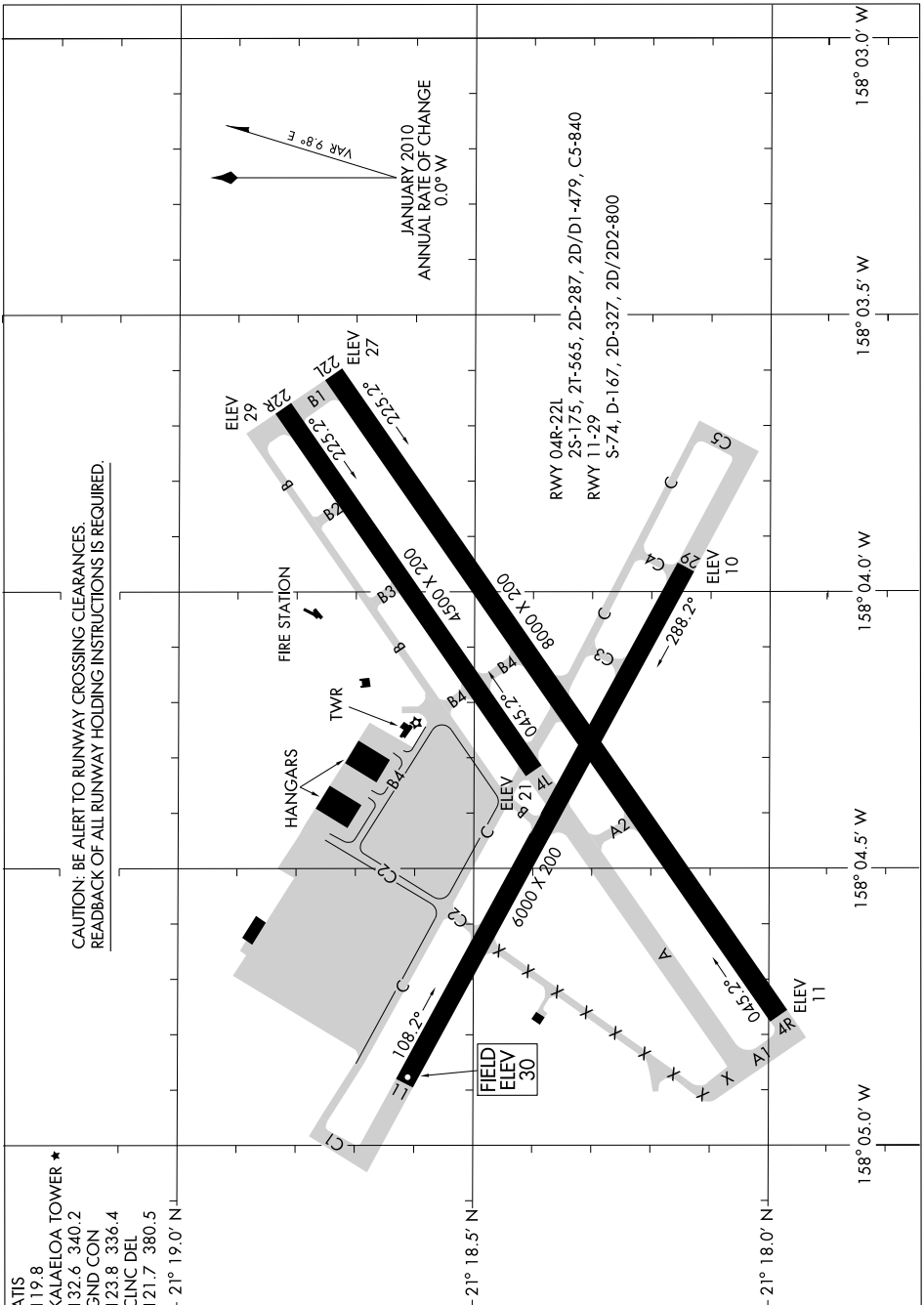




CATEGORY	A	B	C	D
S-4	3220-1 549 (600-1)		3220-1½ 549 (600-1½)	3220-1¾ 549 (600-1¾)
CIRCLING	3520-1 849 (900-1)	3520-1¼ 849 (900-1¼)	3520-2½ 849 (900-2½)	3880-3 1209 (1300-3)

Knots	60	90	120	150	180
Min:Sec					

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010



PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

§ **KALAELOA (JOHN RODGERS FLD)** (JRF) (PHJR) 2 S UTC−10 N21°18.44′ W158°04.22′ **HAWAIIAN–MARIANA**
30 B **FUEL** 100LL (N106–25) TPA—See Remarks NOTAM FILE JRF **2–E–F**
RWY 04R–22L: H8000X200 (ASPH) 2S–175, 2T–565, 2D–287, 2D/D1–479, 2D/2D2–840 HIRL **IAP**
RWY 04R: MALSF. PAPI(P4L)—GA 3.0° TCH 30′. **RWY 22L:** PAPI(P4L)—GA 3.0° TCH 30′.
RWY 11–29: H6000X200 (ASPH) S–74, D–167, 2D–327, 2D/2D2–800 MIRL 0.3% up NW
RWY 11: PAPI(P4L)—GA 3.0° TCH 30′. Rgt tfc. **RWY 29:** PAPI(P4L)—GA 3.0° TCH 30′.
RWY 04L–22R: H4500X200 (ASPH) MIRL
RWY 04L: PAPI(P2L)—GA 3.0° TCH 30′. **RWY 22R:** PAPI(P2L)—GA 3.0° TCH 30′.
AIRPORT REMARKS: Attended 1630–0100Z. Traffic pattern alt small aircraft 830 (800), large aircraft 1030 (1000). Avoid overflight refineries west of airport, gaseous exhaust plumes and flames may rise to 267′AGL without warning. Noise abatement procedure: Rwy 11 departure only, Rwy 29 arrival only. Avoid overflight residential areas and schools N and E of airport. Occasional bird hazard approach end Rwy 04L and Rwy 04R. Potential hydroplaning all aircraft due to standing water at intersection Rwy 04R and Rwy 11. PPR all aircraft 225,000 lbs GWT or over, ctc Honolulu Intl airport duty manager at 808–836–6515. Military helicopter operations on and invof arpt due to U.S. Coast Guard military helipad near Rwy 04R. When twr clsd ACTIVATE HIRL Rwy 04R–22L, MIRL Rwy 04L–22R, and MIRL Rwy 11–29, MALSF Rwy 04R and twy lights—CTAF. PAPI Rwy 04R and Rwy 22L, Rwy 04L and Rwy 22R, Rwy 11 and Rwy 29 operate continuously.
WEATHER DATA SOURCES: ASOS (808) 673–7454.
COMMUNICATIONS: CTAF 132.6 **ATIS** 119.8
HONOLULU CONTROL FACILITY APP/DEP CON 118.3
KALAELOA TOWER 132.6 (1600–0800Z) **GND** 123.8 **CLNC DEL** 121.7
VFR ADVSY SVC ctc HONOLULU APP CON
AIRSPACE: CLASS D svc 1600–0800Z other times CLASS E.
RADIO AIDS TO NAVIGATION: NOTAM FILE HNL.
HONOLULU (H) VORTAC 114.8 HNL Chan 95 N21°18.50′ W157°55.83′ 259° 7.8 NM to fld. 10/11E.
EWABE NDB (MHW/LOM) 242 HN N21°19.49′ W158°02.93′ 218° 1.6 NM to fld.
COMM/NAV/WEATHER REMARKS: Twr operated by Air National Guard. GCA OTS indef.

KANEOHE BAY MCAS (NGF)(PHNG) N21°27.03′W157°46.08′ NOTAM FILE PHNG. **HAWAIIAN–MARIANA**
AIRSPACE: CLASS D svc Mon–Thu 1700–1000Z, Fri 1700–0800Z, Sat 1800–0300Z (CLASS D svc only), **2–F**
Closed Sun and Holidays other times CLASS E.

KOKO HEAD N21°15.91′ W157°42.18′ NOTAM FILE HNL **HAWAIIAN–MARIANA**
(H) VORTAC 113.9 CKH Chan 86 274° 12.7 NM to Honolulu Intl. 640/11E. **2–E–F**
VOR portion unusable:
285°–294° byd 27 NM blo 8,000′
295°–360° byd 21 NM blo 5,500′
295°–360° byd 32 NM blo 8,000′
RCO 122.1R 113.9T (HONOLULU RADIO)

WAIMANALO N20°19.21′ W157°40.90′ **HAWAIIAN**
RCO 122.2 (HONOLULU RADIO) **2–F**

HN LOM	APP CRS	Rwy ldg	8000
242	037°	TDZE	17
		Apt Elev	30

NDB RWY 4R

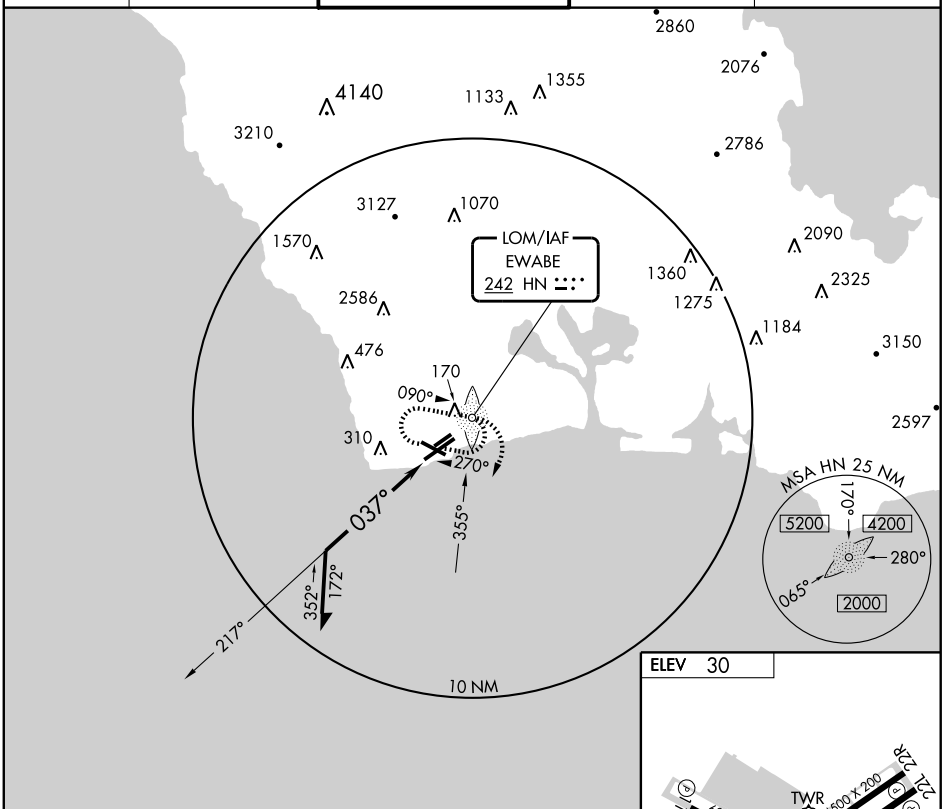
KAPOLEI/KALAELOA (JOHN RODGERS FIELD) (JRF)(PHJR)

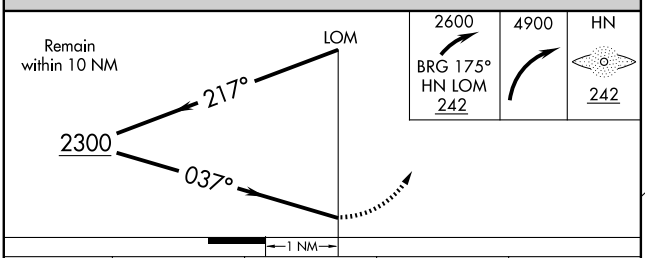
Circling not authorized north of Rwys 11 and 22R.

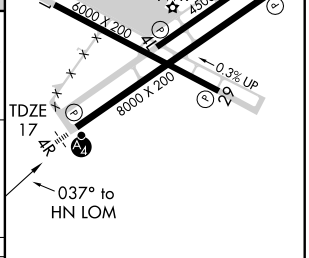
MALSF

MISSED APPROACH: Climbing right turn to 2600 via 175° bearing from HN LOM, then climbing right turn to 4900 direct HN LOM and hold.

ATIS	HCF APPROACH	KALAELOA TOWER ★	GND CON	CLNC DEL
119.8	118.3 269.0	132.6 (CTAF) L 340.2	123.8 336.4	121.7 380.5







CATEGORY	A	B	C	D
S-4R	800-1 783 (800-1)	800-1¼ 783 (800-1¼)	800-2¼ 783 (800-2¼)	800-2½ 783 (800-2½)
CIRCLING	800-1 770 (800-1)	800-1¼ 770 (800-1¼)	800-2¼ 770 (800-2¼)	800-2½ 770 (800-2½)

HIRL Rwy 4R-22L L
MIRL Rwys 4L-22R and 11-29 L

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VORTAC HNL	APP CRS	Rwy ldg	8000
114.8	074°	TDZE	17
Chan 95		Apt Elev	30

VOR/DME RWY 4R

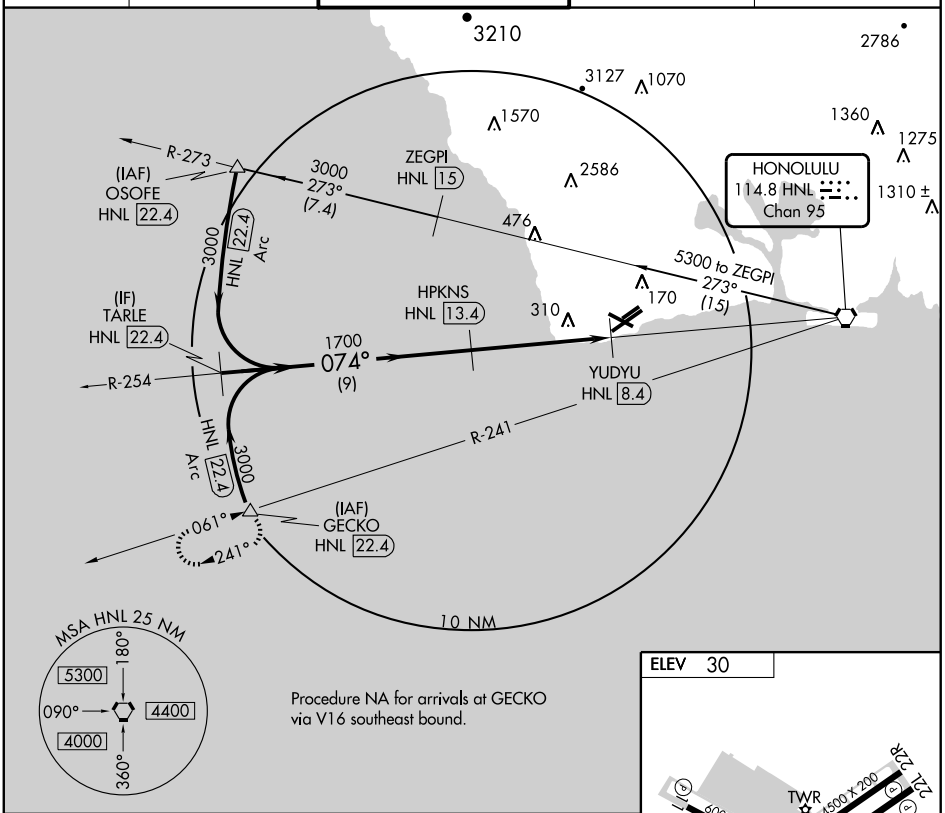
KAPOLEI / KALAELOA (JOHN RODGERS FIELD) (JRF)(PHJR)

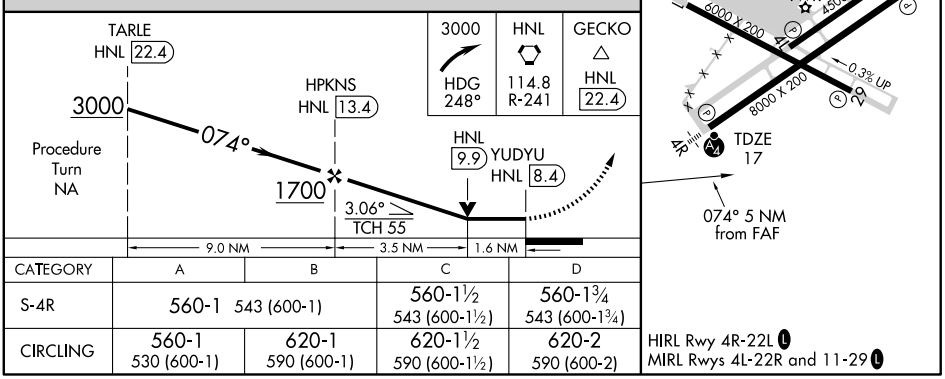
Circling NA north of Rwys 11 and 22R. Inoperative table does not apply.

MALSF

MISSED APPROACH: Climbing right turn to 3000 via heading 248° and HNL VORTAC R-241 to GECKO/HNL 22.37 DME and hold.

ATIS	HCF APPROACH	KALAELOA TOWER ★	GND CON	CLNC DEL
119.8	118.3 269.0	132.6 (CTAF) L 340.2	123.8 336.4	121.7 380.5





CATEGORY	A	B	C	D
S-4R	560-1 543 (600-1)		560-1½ 543 (600-1½)	560-1¾ 543 (600-1¾)
CIRCLING	560-1 530 (600-1)	620-1 590 (600-1)	620-1½ 590 (600-1½)	620-2 590 (600-2)

HIRL Rwy 4R-22L L
MIRL Rwys 4L-22R and 11-29 L

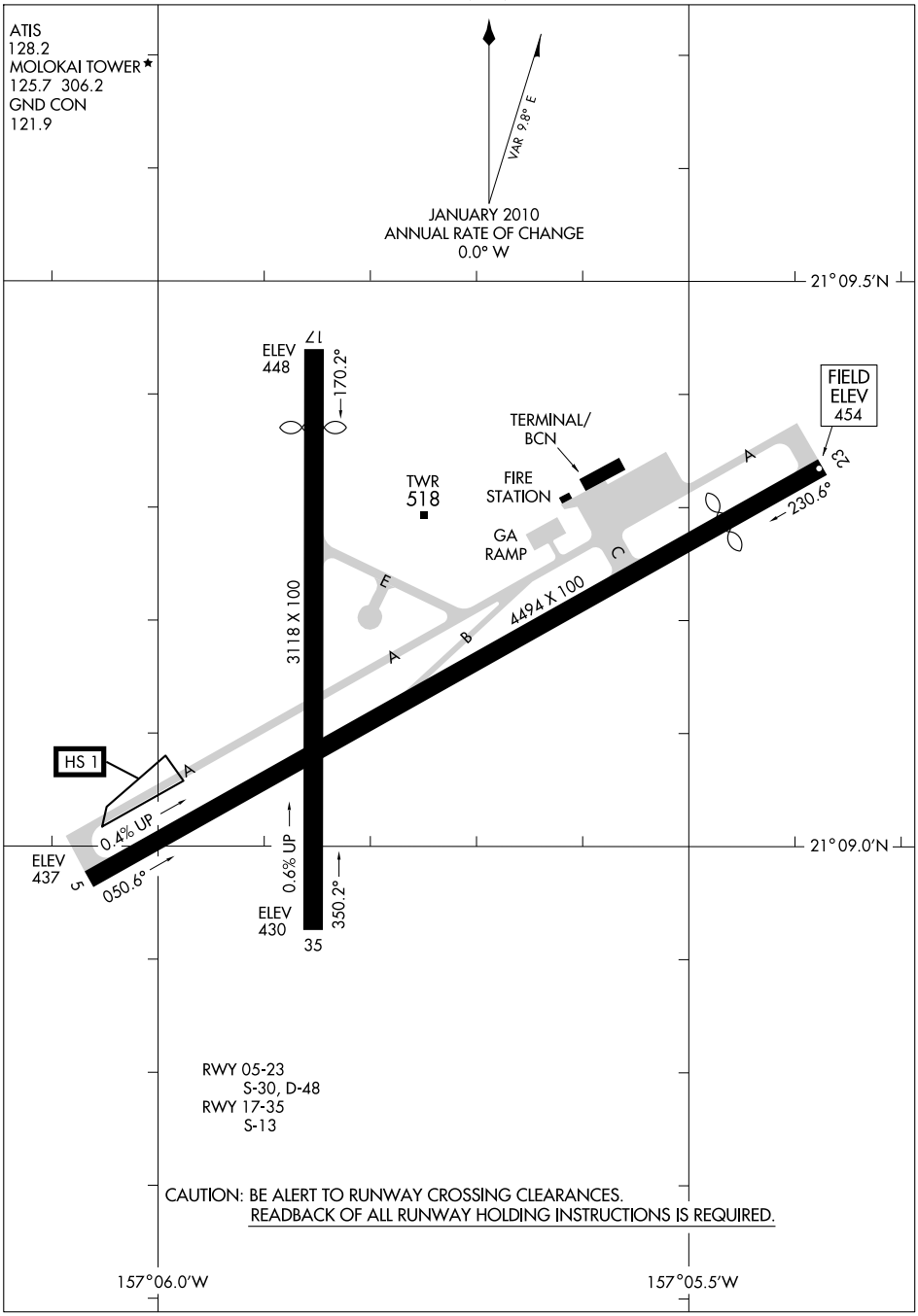
PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

AIRPORT DIAGRAM

KAUNAKAKAI/ MOLOKAI (MKK) (PHMK)
KAUNAKAKAI, HAWAII

AL-759 (FAA)



PAC, 23 SEP 2010 to 18 NOV 2010

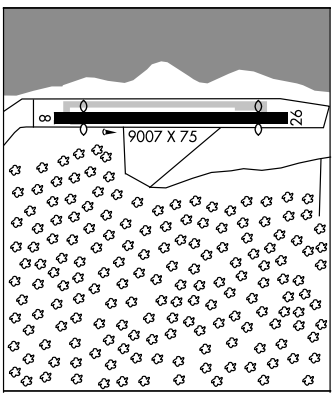
PAC, 23 SEP 2010 to 18 NOV 2010

AIRPORT DIAGRAM
KAUNAKAKAI, HAWAII
KAUNAKAKAI/ MOLOKAI (MKK) (PHMK)
10266

§ **MOLOKAI** (MKK) (PHMK) 6 NW UTC−10 N21°09.17′ W157°05.78′ **HAWAIIAN–MARIANA**
454 B TPA—See Remarks Class I, ARFF Index A NOTAM FILE MKK **2–G**
RWY 05–23: H4494X100 (ASPH–GRVD) S–30, D–48 MIRL 0.4% up NE **IAP**
RWY 05: REIL. PAPI(P4L)—GA 3.0° TCH 25′. **RWY 23:** Thld dsplcd 593′. Brush.
RWY 17–35: H3118X100 (ASPH) S–13 MIRL 0.6% up N
RWY 17: Thld dsplcd 426′. Fence. **RWY 35:** Fence.
AIRPORT REMARKS: Attended 1600–0545Z. CAUTION Egrets and pigeons on and in vicinity of arpt. TPAs small acft 1250 (796) large acft 1950 (1496). Arpt CLOSED to air carrier operations with more than 10 passenger seats Mon thru Sun 0530–1600Z except PPR call 808–567–6140/6008. 24 hrs PPR for Class A and B explosives and 4 hrs PPR for other hazardous material in/out of arpt ctc 808–567–6140/6008. Large acft with wingspan greater than 78′ may not use Twy A or Rwy 05–23 for simultaneous ops. Mountain approximately 1280′ MSL located 2.8 NM from threshold Rwy 05 on extended centerline. Rwy 05 PAPI not authorized 1.8 NM byd landing thld due to rapidly rising terrain. When twr closed ACTIVATE MIRL Rwy 05–23 and Rwy 17–35, REIL Rwy 05—CTAF. PAPI Rwy 05 operational daylight hrs only.
WEATHER DATA SOURCES: ASOS (808) 567–6106.
COMMUNICATIONS: CTAF 125.7 **ATIS** 128.2
MOLOKAI RCO 122.1R 116.1T (HONOLULU RADIO)
HONOLULU CONTROL FACILITY APP/DEP CON 124.1
TOWER 125.7 (1600–0430Z) **GND CON** 121.9
AIRSPACE: CLASS D svc 1600–0430Z other times CLASS G.
RADIO AIDS TO NAVIGATION: NOTAM FILE MKK.
(H) VORTAC 116.1 MKK Chan 108 N21°08.29′ W157°10.05′ 066° 4.1 NM to fld. 1421/11E.
Unusable 275°–285° byd 25 NM blo 3,500′

OAHU

§ **DILLINGHAM AIRFIELD** (HDH) (PHDH) 2 W UTC−10 N21°34.77′ W158°11.84′ **HAWAIIAN–MARIANA**
14 S4 **FUEL**100 TPA—800(786) NOTAM FILE HNL **2–F**
RWY 08–26: H9007X75 (ASPH–RFSC) S–40, D–152, 2D–180
RWY 08: Thld dsplcd 1993′.
RWY 26: Thld dsplcd 1995′. Trees. Rgt tfc.



AIRPORT REMARKS: Attended 1700–0130Z. Parachute Jumping. PPR for civil acft 12,501 pounds and over, ctc airside operations manager at 808–836–6428 Mon–Fri, 1745–0230Z. Sky diving activity on and in vicinity of arpt. Large sea birds on and in vicinity of arpt November through April. Ultralights on and invof arpt. Tree line with 90′ trees N and S of rwy approximately 425′ from centerline. Marked depression invof the automated fuel pump on southwest apron. Open to civil use thru agreement between the US Army and the State of Hawaii, check NOTAM's prior to use. CLOSED to Civil acft SS–SR. A 5000′ × 75′ rwy for light powered acft has been painted in the center of the existing 9007′ × 75′ paved area for civil use starting approximately 2000′ from each rwy end. Powered acft shall keep base leg in close and cross the airport boundary fences at or above 600′ MSL in order to assure safe separation from sailplanes using the first 2000′ (short of the dsplcd thld). CAUTION—extensive military helicopter and glider operations daily. No running landings with skid type helicopters on Rwy approved taxiways only. Aerobatic training offshore N of airfield above 1500′. All acft must contact Dillingham UNICOM prior to entering traffic pattern and maintain contact on 123.0 while operating in the Dillingham area. All night flights into airfield must be coordinated with US Army Hawaii Range Control 808–655–4892. Ltd ARFF support available 1700–0130Z. NOTE: See Area Notices—TRAFFIC ADVISORIES AT NON–TOWER AIRPORTS.
COMMUNICATIONS: CTAF/UNICOM 123.0 (1900–0300Z)
RADIO: 122.6 (HONOLULU RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE HNL
HONOLULU (H) VORTAC 114.8 HNL Chan 95 N21°18.50′ W157°55.83′ 306° 22.0 NM to fld. 10/11E.

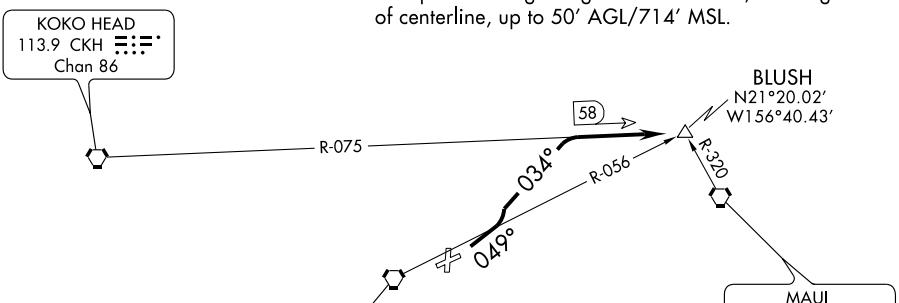
EWABE N21°19.49′ W158°02.93′ NOTAM FILE HNL **HAWAIIAN**
NDB (MHW/LOM) 242 HN 218° 1.6 NM to Kalaeloa (John Rodgers Fld). **2–E**

BLUSH ONE DEPARTURE

ATIS
128.2
GND CON
121.9
MOLOKAI TOWER★
125.7 (CTAF) 306.2
HCF APPROACH
124.1 317.5

TAKE-OFF OBSTACLES:

Rwy 5: Pole 2254′ from DER, 222′ right of centerline, 45′ AGL/565′ MSL.
Tree 1.12 NM from DER, 720′ right of centerline, 50′ AGL/675′ MSL.
Fenceline beginning 147′ from DER, 177′ left of centerline, up to 12′ AGL/471′ MSL.
Multiple trees and bushes beginning 50′ from DER, 273′ left of centerline, up to 50′ AGL/551′ MSL.
Obstruction light 1366′ from DER, 79′ right of centerline, 30′ AGL/528′ MSL.
Multiple poles beginning 3065′ from DER, 644′ left of centerline, up to 45′ AGL/623′ MSL.
Multiple trees beginning 4155′ from DER, 184′ right of centerline, up to 50′ AGL/714′ MSL.



TAKE-OFF MINIMUMS:

Rwy 17, 35, 23: NA, ATC.

Rwy 5: STANDARD with minimum obstacle climb of 395′ per NM to 1600′.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 5: Climb via 049° heading to 860, then climbing left turn to 5000 via 034° heading and CKH R-075 to BLUSH INT.

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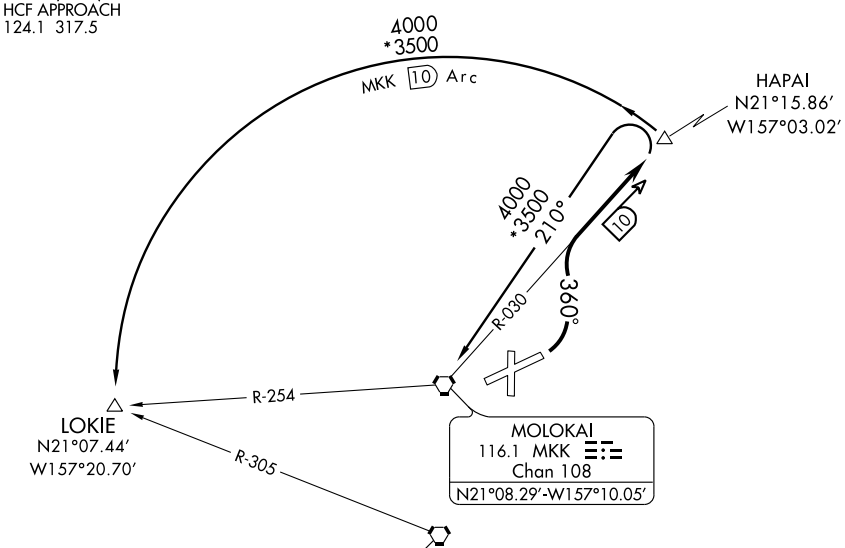
PAC, 23 SEP 2010 to 18 NOV 2010

HAPAI TWO DEPARTURE



TAKE-OFF MINIMUMS:

Rwy 17, 35, 23: NA, ATC.

Rwy 5: STANDARD with minimum obstacle climb of 395′ per NM to 1600′.

NOTE: DME Required.

TAKE-OFF OBSTACLES:

Rwy 5: Pole 2254′ from DER, 222′ right of centerline, 45′ AGL/565′ MSL.
Tree 1.12 NM from DER, 720′ right of centerline, 50′ AGL/675′ MSL.
Fenceline beginning 147′ from DER, 177′ left of centerline, up to 12′ AGL/471′ MSL.
Multiple trees and bushes beginning 50′ from DER, 273′ left of centerline, up to 50′ AGL/551′ MSL.
Obstruction light 1366′ from DER, 79′ right of centerline, 30′ AGL/528′ MSL.
Multiple poles beginning 3065′ from DER, 644′ left of centerline, up to 45′ AGL/623′ MSL.
Multiple trees beginning 4155′ from DER, 184′ right of centerline, up to 50′ AGL/714′ MSL.

NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 5: Climbing left turn via 360° heading and MKK VORTAC R-030 to HAPAI/10 DME. Thence. . . .

. . . . via (Transition). Maintain 4,000.

LOKIE TRANSITION (HAPAI2.LOKIE): From over HAPAI via MKK VORTAC 10 DME Arc CCW to LOKIE.

MOLOKAI TRANSITION (HAPAI2.MKK): From over HAPAI via 210° heading and MKK R-030 to MKK VORTAC.

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION*
HONOLULU, HI		
HONOLULU INTL (HNL) (PHNL)	HS 1	Rwy 08L and Twy C.
	HS 2	Rwy 04R, Rwy 04L-22R, Rwy 08L-26R and Twy K.
	HS 3	Rwy 08L-26R, Twy E and Twy B.
	HS 4	Rwy 08L, Twy A, Twy V, Twy T, Twy RB, and Twy M.
	HS 5	Area not visible from twr.
KAHULUI, HI		
KAHULUI (OGG) (PHOG)	HS 1	Rwy 05, Twy A, Twy F, and Twy G.
	HS 2	Rwy 02-20, Twy E and the ramp.
KAUNAKAKAI, HI		
MOLOKAI (MKK)(PHMK)	HS 1	Area not visible from control twr.

*See appropriate A/FD, Alaska or Pacific Supplement HOT SPOT table for additional information.

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APP CRS 043°	Rwy ldg	N/A
	TDZE	N/A
	Apt Elev	454

RNAV (GPS)-B

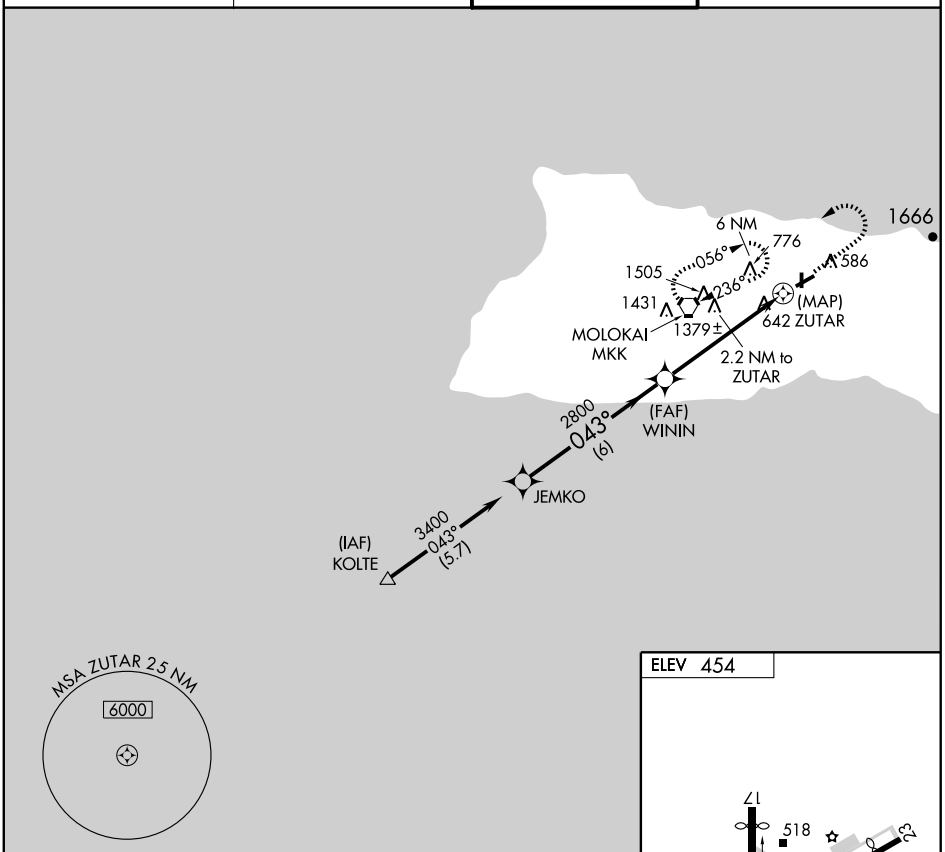
KAUNAKAKAI/MOLOKAI (MKK)(PHMK)

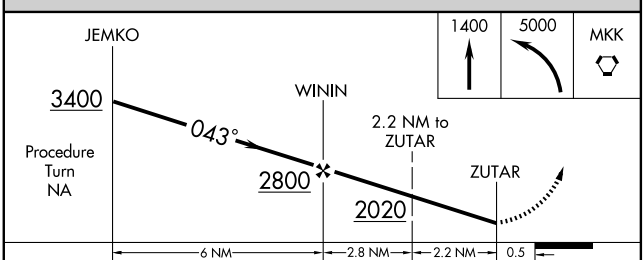
NA

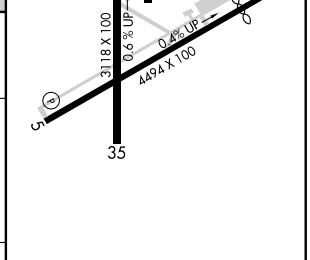
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 1400 then climbing left turn to 5000 direct MKK VORTAC and hold.

ATIS	HCF APPROACH	MOLOKAI TOWER ★	GND CON
128.2	124.1 317.5	125.7 (CTAF) L 306.2	121.9







CATEGORY	A	B	C	D
CIRCLING	980-1 526 (600-1)		1080-1¾ 626 (700-1¾)	1460-3 1006 (1100-3)

REIL Rwy 5 L
MIRL Rwys 5-23 and 17-35 L

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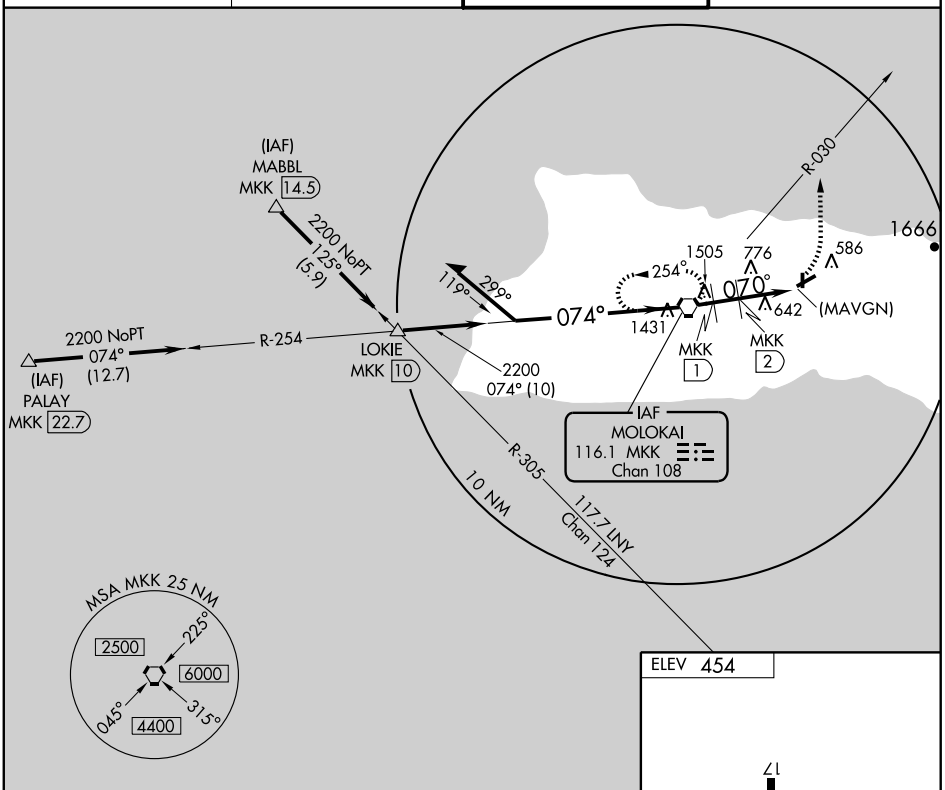
VORTAC MKK	APP CRS	Rwy ldg	N/A
116.1	070°	TDZE	N/A
Chan 108		Apt Elev	454

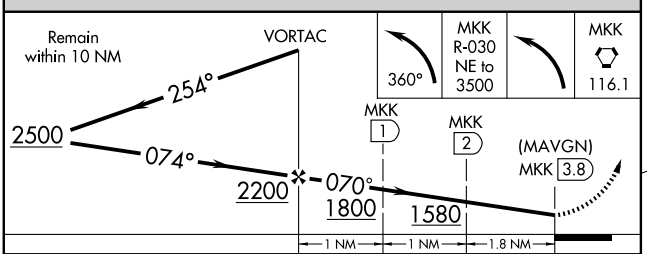
VOR or TACAN or GPS-A

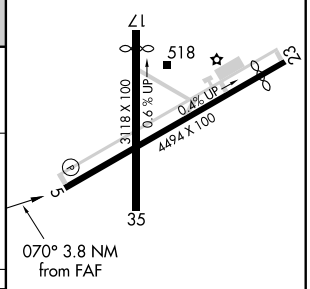
KAUNAKAKAI/MOLOKAI (MKK) (PHMK)

MISSED APPROACH: Climbing left turn via heading 360° to join the MKK R-030 northeast to 3500. Then left turn direct MKK VORTAC and hold.

ATIS	HCF APPROACH	MOLOKAI TOWER★	GND CON
128.2	124.1 317.5	125.7 (CTAF) L 306.2	121.9







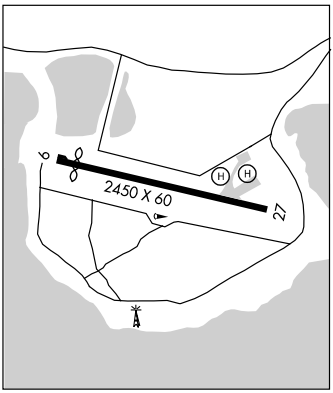
CATEGORY	A	B	C	D
CIRCLING	1800-1¼ 1346 (1400-1¼)	1800-1½ 1346 (1400-1½)	1800-3 1346 (1400-3)	
DME MINIMUMS				
CIRCLING	1040-1 586 (600-1)		1080-1¾ 626 (700-1¾)	1460-3 1006 (1100-3)

REIL Rwy 5 L
MIRL Rwys 5-23 and 17-35 L

FAF to MAP 3.8 NM					
Knots	60	90	120	150	180
Min:Sec	3:48	2:32	1:54	1:31	1:16

PAC, 23 SEP 2010 to 18 NOV 2010

§ **PORT ALLEN** (PAK) (PHPA) 1 SW UTC−10 N21°53.82′ W159°36.19′ **HAWAIIAN–MARIANA**
24 TPA—800(776) LRA NOTAM FILE LIH **2–E**
RWY 09–27: H2450X60 (ASPH) S–18
RWY 09: Thld dsplcd 189′. Rgt tfc.
AIRPORT REMARKS: Unattended. Skydiving on and invof arpt. Daily helicopter activity on and invof arpt. Arpt restricted by owner to aircraft weighing less than 12,500 lbs. Avoid overflight of the salt pond, state recreational beach park, residential and commercial areas N of airfield. Ultralights on and invof arpt. No airfield security, overnight acft parking not authorized. Vehicles parked along shoreline fronting approach end Rwy 09. NOTE: See Area Notices—TRAFFIC ADVISORIES AT NON–TOWER AIRPORTS.
COMMUNICATIONS: CTAF 122.9
LIHUE RCO 122.6 122.1R 113.5T (HONOLULU RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE LIH.
SOUTH KAUAI (H) VORTAC 115.4 SOK Chan 101 N21°54.02′ W159°31.73′ 256° 4.2 NM to fld. 630/11E.
COMM/NAV/WEATHER REMARKS: Between 0800–1600Z IFR traffic on the ground contact Honolulu Control Facility on 126.5. LIHUE RCO frequency 122.6 OTS indef.



PRINCEVILLE (HIØ1) 3 E UTC−10 N22°12.55′ W159°26.73′ **HAWAIIAN–MARIANA**
344 TPA 1100 (756) **2–F**
RWY 05–23: H3560X60 (ASPH) S–30 LIRL (NSTD)
RWY 05: Trees. **RWY 23:** P–line.
AIRPORT REMARKS: Unattended. Daytime VFR operations only. Tree line with trees up to 60′ approximately 200′ N of rwy centerline near midfield. Tree line with 20′ trees 125′ N and S of rwy centerline. Ctc Princeville 808–826–3040, 1900–0300Z for ldg authorization and ops requirements. No helicopter operations permitted except for existing operations by resident tour operator. Rwy 05 rising terrain at approximately 5% slope. Acft parking not to exceed 45 minutes due to limited ramp space. Landing fee. NSTD LIRL OTS indef.
COMMUNICATIONS:
NORTH KAUI RCO 122.3 (HONOLULU RADIO)
RADIO AIDS TO NAVIGATION: NOTAM FILE LIH.
LIHUE (H) VORTAC 113.5 LIH Chan 82 N21°57.92′ W159°20.29′ 327° 15.8 NM to fld. 110/11E.

SOUTH KAUAI N21°54.02′ W159°31.73′ NOTAM FILE LIH. **HAWAIIAN–MARIANA**
(H) VORTAC 115.4 SOK Chan 101 256° 4.2 NM to Port Allen. 630/11E. **2–E**
VORTAC unusable:
060°–070° byd 30 NM blo 5,000′ 305°–010° byd 15 NM blo 8,500′
RCO 122.1R 115.4T (HONOLULU RADIO)

LANAI

§ **LANAI** (LNY) (PHNY) 3 SW UTC−10 N20°47.14′ W156°57.09′ **HAWAIIAN–MARIANA**
1308 B TPA—See Remarks Class I, ARFF Index A NOTAM FILE LNY **2–G**
RWY 03–21: H5001X150 (ASPH) S–75, D–110, 2S–128, 2D–170, 2T–288, C5–517 MIRL **IAP**
RWY 03: VASI(V4L)—GA 3.0° TCH 50′. **RWY 21:** PAPI(P4L)—GA 3.0° TCH 43′. Antenna.
AIRPORT REMARKS: Attended 1600–0530Z. 24 hrs PPR for Class A and B explosives and 4 hrs PPR for hazardous material in/out of arpt ctc 808–565–7941/7943. Arpt CLOSED to air carrier ops with more than 10 passenger seats 0530–1600Z except PPR, call 808–565–7333/6757. Traffic pattern altitudes small acft 2100 (792) large acft 2800 (1492). Possible severe updrafts/downdrafts from 2 mile final apch to Rwy 3 thld. Due to ramp limitations all acft parking limited to one hour except via PPR call 808–565–7942, FAX 808–565–7940 or 808–872–3880. Fixed wing transient parking SW side of ramp. Pheasants on and invof arpt. Rwy 21 PAPI unusable byd 2 NM and byd 5° right of rwy. ACTIVATE MIRL Rwy 03–21—CTAF. NOTE: See Area Notices—TRAFFIC ADVISORIES AT NON–TOWER ARPTS.
WEATHER DATA SOURCES: ASOS 118.375 (808) 565–6586
COMMUNICATIONS: CTAF 122.9
RCO 122.1R 117.7T (HONOLULU RADIO)
HONOLULU CONTROL FACILITY APP/DEP CON 119.3
AIRSPACE: CLASS E svc continuous.
RADIO AIDS TO NAVIGATION: NOTAM FILE LNY.
(H) VORTAC 117.7 LNY Chan 124 N20°45.87′ W156°58.13′ 027° 1.6 NM to fld. 1250/11E.
VORTAC unusable 020°–060° byd 27 NM blo 5,000′. DME unusable 005°–063° byd 20 NM blo 15,000′.
NDB (HHW) 353 LLD N20°46.35′ W156°58.41′ 047° 1.5 NM to fld.
ILS/DME 111.1 I–LNY Chan 48 Rwy 03. GS unusable byd 5° left of course. Unmonitored.

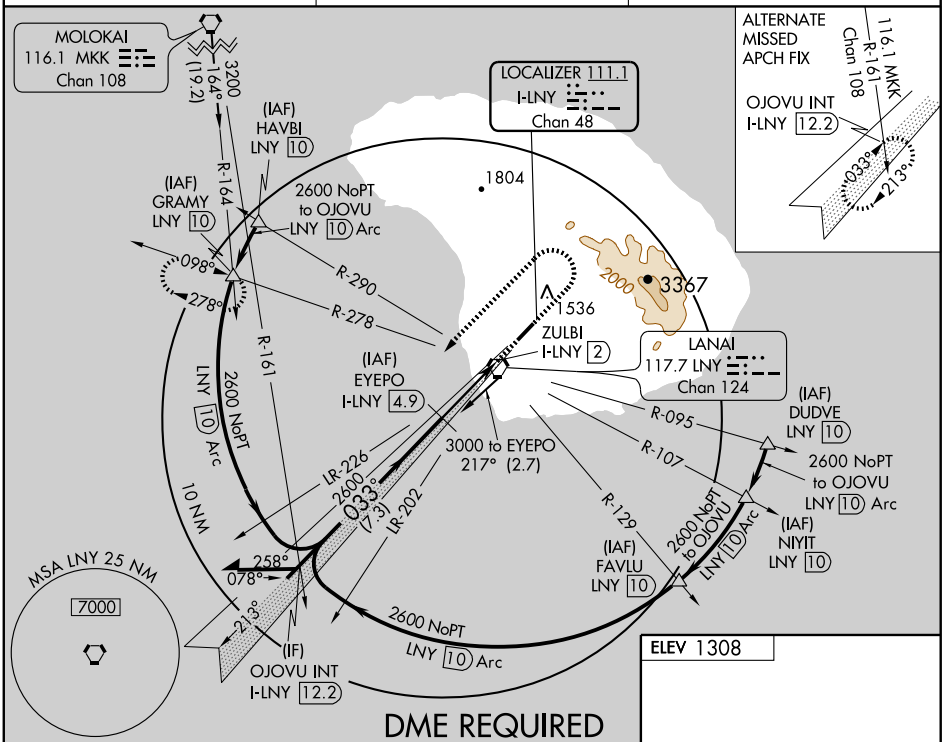
LOC/DME I-LNY 111.1 Chan 48	APP CRS 033°	Rwy ldg 5001 TDZE 1305 Apt Elev 1308

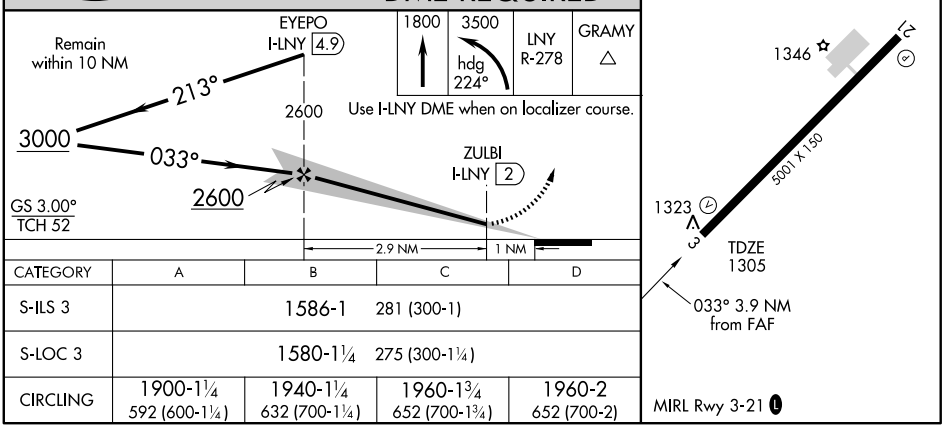
ILS or LOC/DME RWY 3
LANAI (LNY)(PHNY)

Autopilot coupled approach NA below 1505.
NA When local altimeter setting not received, procedure NA, except for operators with approved weather reporting service.

MISSED APPROACH: Climb to 1800 then climbing left turn to 3500 via heading 224° and LNY VORTAC R-278 to GRAMY Int/LNY VORTAC 10 DME and hold.

ASOS	HCF APPROACH	CTAF
118.375	119.3 307.1	122.9 L





CATEGORY	A	B	C	D
S-ILS 3	1586-1 281 (300-1)			
S-LOC 3	1580-1¼ 275 (300-1¼)			
CIRCLING	1900-1¼ 592 (600-1¼)	1940-1¼ 632 (700-1¼)	1960-1¾ 652 (700-1¾)	1960-2 652 (700-2)

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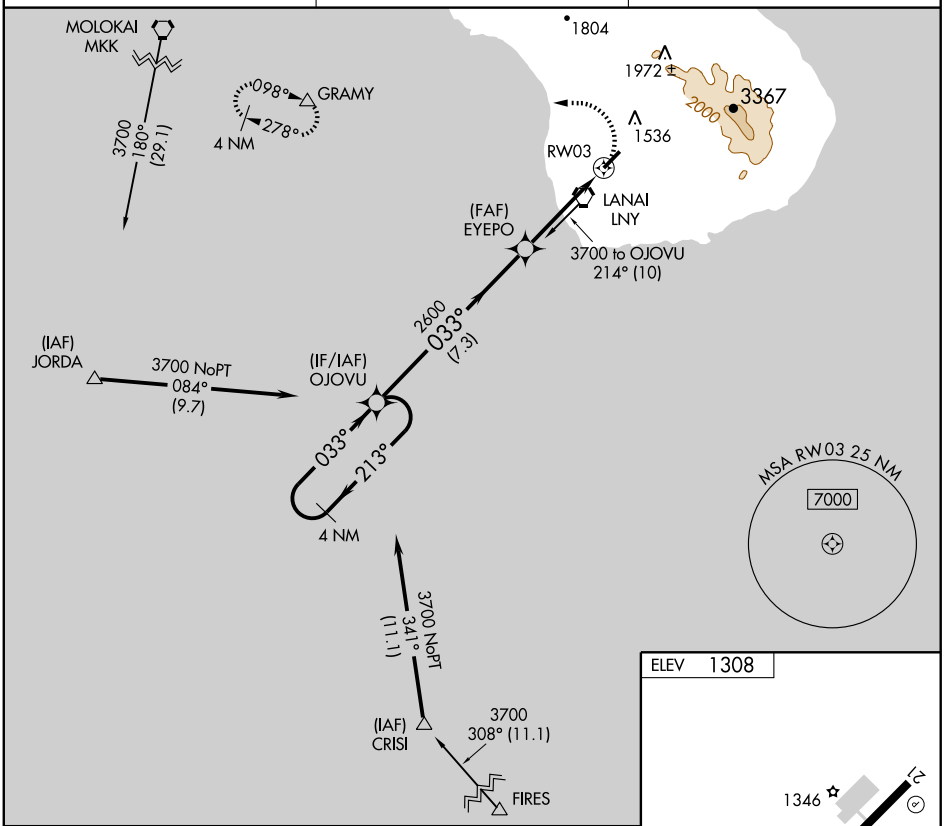
APP CRS	Rwy ldg	5001
033°	TDZE	1305
	Apt Elev	1308

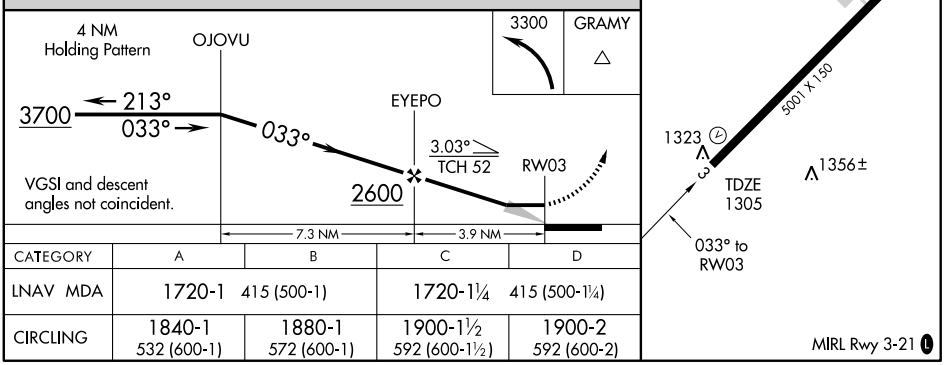
RNAV (GPS) RWY 3
LANAI (LNY)(PHNY)

DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 3300 direct GRAMY and hold.

ASOS	HCF APPROACH	CTAF
118.375	119.3 307.1	122.9 L





CATEGORY	A	B	C	D
LNAV MDA	1720-1 415 (500-1)		1720-1¼ 415 (500-1¼)	
CIRCLING	1840-1 532 (600-1)	1880-1 572 (600-1)	1900-1½ 592 (600-1½)	1900-2 592 (600-2)

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PAC, 23 SEP 2010 to 18 NOV 2010

VORTAC LNY 117.7 Chan 124	APP CRS 098°	Rwy ldg N/A TDZE N/A Apt Elev 1308

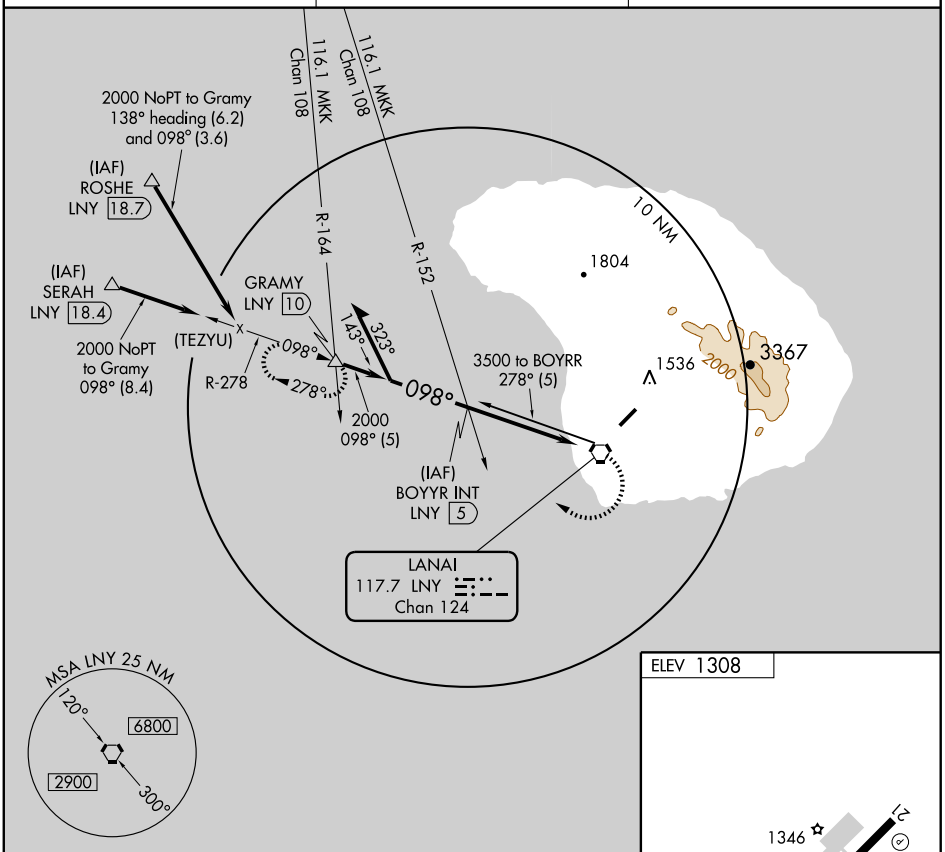
VOR or TACAN or GPS-A

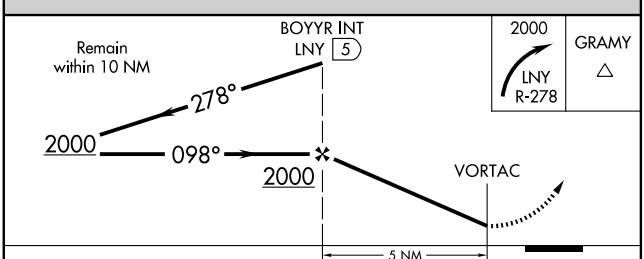
LANAI (LNY)(PHNY)

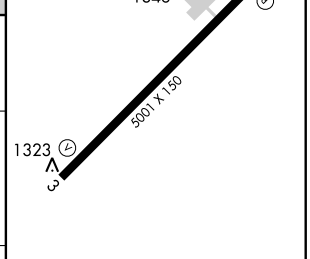
When local altimeter not received, procedure not authorized, except for operators with approved weather reporting service.

MISSED APPROACH: Climbing right turn to 2000 via LNY R-278 to GRAMY Int/LNY 10 DME and hold.

ASOS	HCF APPROACH	CTAF
118.375	119.3 307.1	122.9 L







CATEGORY	A	B	C	D
CIRCLING	1840-1½ 532 (600-1½)	1880-1½ 572 (600-1½)	1900-1½ 592 (600-1½)	1900-2 592 (600-2)

PAC, 23 SEP 2010 to 18 NOV 2010

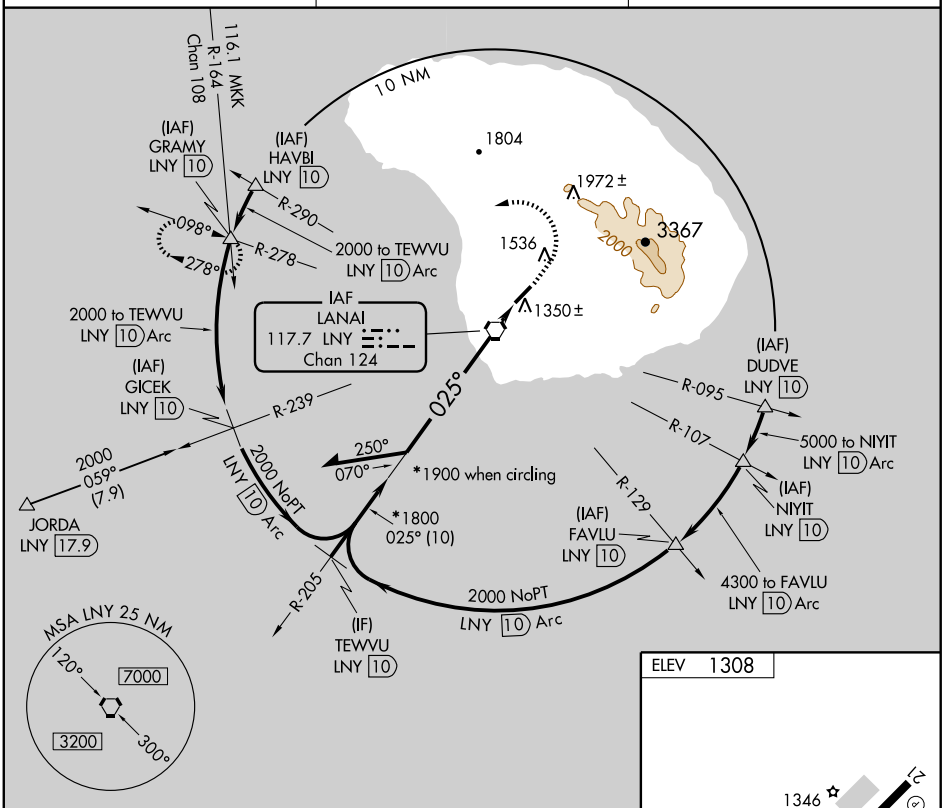
VORTAC LNY 117.7 Chan 124	APP CRS 025°	Rwy ldg 5001 TDZE 1305 Apt Elev 1308

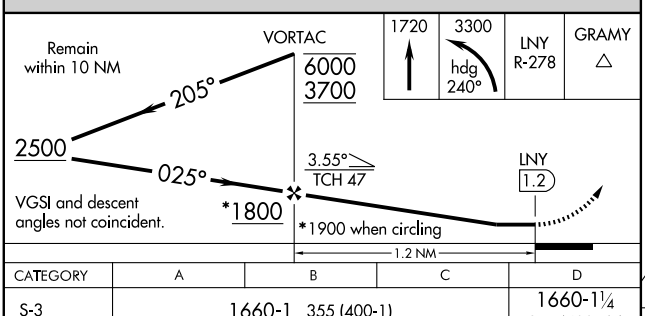
VOR or TACAN RWY 3

LANAI (LNY)(PHNY)

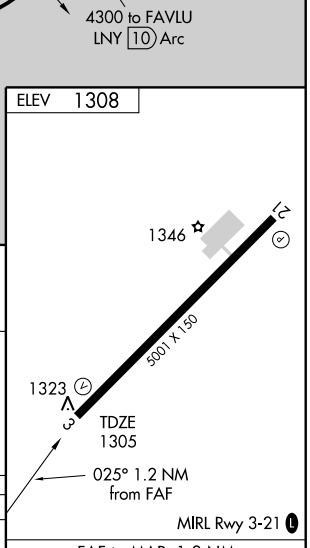
MISSED APPROACH: Climb to 1720 then climbing left turn to 3300 via heading 240° and LNY VORTAC R-278 to GRAMY Int/LNY 10 DME and hold.

ASOS	HCF APPROACH	CTAF
118.375	119.3 307.1	122.9 L





CATEGORY	A	B	C	D
S-3	1660-1 355 (400-1)			1660-1¼ 355 (400-1¼)
CIRCLING	1840-1 532 (600-1)	1880-1 572 (600-1)	1900-1½ 592 (600-1½)	1900-2 592 (600-2)

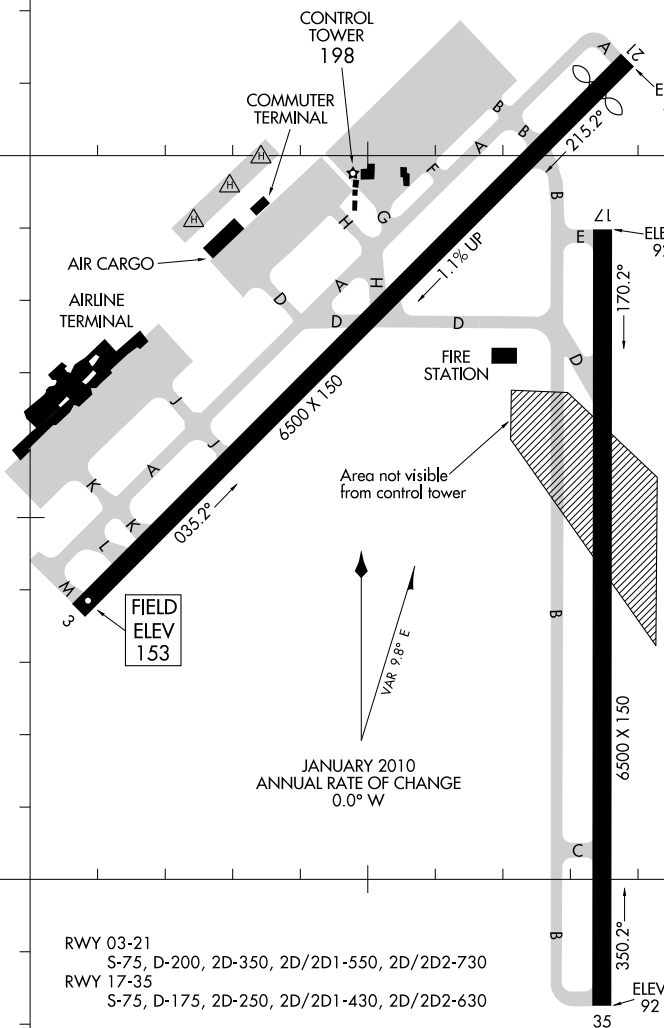


FAF to MAP 1.2 NM					
Knots	60	90	120	150	180
Min:Sec	1:12	0:48	0:36	0:29	0:24

PAC, 23 SEP 2010 to 18 NOV 2010

ATIS
127.2
LIHUE TOWER★
118.9 263.1
GND CON
121.9

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.



RWY 03-21
S-75, D-200, 2D-350, 2D/2D1-550, 2D/2D2-730
RWY 17-35
S-75, D-175, 2D-250, 2D/2D1-430, 2D/2D2-630

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

§ **LIHUE** (LIH) (PHLI) 2 E UTC−10 N21°58.56′ W159°20.34′ **HAWAIIAN–MARIANA**

153 B S2 **FUEL** 100, JET A TPA—See Remarks LRA Class I, ARFF Index C NOTAM FILE LIH **2–F**

RWY 17–35: H6500X150 (ASPH–GRVD) S–75, D–175, 2D–250, 2D/D1–430, 2D/2D2–630 HIRL **IAP**

RWY 17: REIL. PAPI(P4L)—GA 3.0° TCH 55′. **RWY 35:** MALSR. PAPI(P4L)—GA 3.0° TCH 55′. Rgt tfc.

RWY 03–21: H6500X150 (ASPH–GRVD) S–75, D–200, 2D–350, 2D/D1–550, 2D/2D2–730 MIRL 1.1% UP SW

RWY 03: REIL. PAPI(P4L)—GA 3.0° TCH 46′. Rgt tfc.

RWY 21: REIL. VASI(V4L)—GA 3.0° TCH 52′. Thld dsplcd 205′. Tree.

AIRPORT REMARKS: Attended 1600–0800Z. Extensive bird activity on landings and takeoffs. Stadium flood lights 125′ AGL/282′ MSL 2400′ SW from Rwy 03 threshold. PPR for parking all transient acft, call arpt mgr 808–274–3800 between 1700Z and 0230Z. Other times call 808–651–6255, FAX 808–241–3939 between 1700–0230Z, other times 808–246–1434 Military/civilian acft carrying munitions/HAZAT must coordinate intinerary not later than 24 hours prior to arrival. Acft needing engine runups for other than normal start–up and taxi out are required to coordinate these runups with arpt mgr. Normal runup area is on Twy Alpha north of Twy B and alpha intersection. Acft orientation is dependent on wind and with twr approval. Power setting will not cause damage to lgts and signs, if run may cause damage an alternate location will be selected. 405′ of Rwy 17–35 500′ south of Twy D and Rwy 17–35 intersection not visible from twr. Due to nonvisibility twr unable to provide air traffic control svc between acft and/or vehicles on Twy B from 220′ to 500′ S of Twy D. Tfc departing and entering movement areas ctc twr. Intersection departures from Twy D on Rwy 17–35 not authorized. ARFF available 24 hrs. 100 octane fuel available 1900–0300Z. For JET A fuel call 1–800–776–2138 or 1–800–821–3122. Military acft make fuel arrangements before arrival. PPR for transportation of class A, B, C explosives and hazardous material in and out of arpt. Rwy 17–35 weight limit DC 10–10 340,000 lbs, DC 10–30 430,000 lbs. TPA single engine 1000(847), Multi engine 1500(1347). Rwy 03 PAPI unusable byd 1.5 NM and offset 9.5° E of centerline due to rapidly rising terrain. ACTIVATE HIRL Rwy 17–35, REIL Rwy 17, MALSR Rwy 35, MIRL Rwy 03–21, REIL and PAPI Rwy 03, REIL Rwy 21 and taxiway lgts—CTAF.

WEATHER DATA SOURCES: ASOS (808) 246–3707.

COMMUNICATIONS: CTAF 118.9 **ATIS** 127.2

RCO 122.4 122.1R 113.5T (HONOLULU RADIO)

Ⓡ **HONOLULU CONTROL FACILITY APP/DEP CON** 126.5

TOWER 118.9 (128.4 Helicopters) (1600–0800Z) **GND CON** 121.9

AIRSPACE: CLASS D svc 1600–0800Z other times CLASS E.

RADIO AIDS TO NAVIGATION: NOTAM FILE LIH.

(H) VORTAC 113.5 LIH Chan 82 N21°57.92′ W159°20.29′ at fld. 110/11E.

VORTAC unusable 210°–310° byd 16 NM blo 7,500′, 310°–350° byd 27 NM blo 7,500′.

VOR unusable 180°–210° byd 27 NM blo 5,000′.

DME unusable 180°–210° byd 16 NM blo 5,000′.

ILS/DME 110.9 I–LIH Chan 46 Rwy 35. Class ID. Localizer unusable beyond 25° West of centerline. DME unusable byd 25° left of course. Unmonitored when tower clsd.

COMM/NAV/WEATHER REMARKS: When twr closed IFR tfc on the ground ctc Honolulu Center on 126.5.

• •

HELIPAD H1: H64X64 (ASPH)

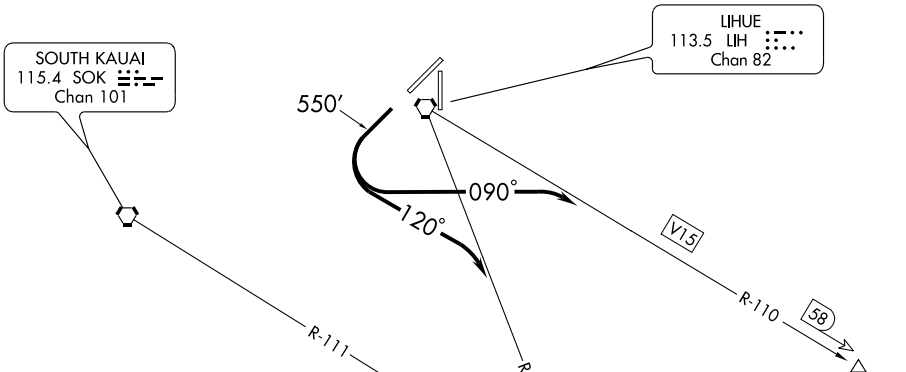
HELIPORT REMARKS: Helicopter pads 1 through 20 located west of control twr.

NORTH KAUAI N22°12.55′ W159°26.63′ **HAWAIIAN–MARIANA**

RCO 122.3 (HONOLULU RADIO) **2–F**

DIANE ONE DEPARTURE

ATIS
127.2
GND CON
121.9
LIHUE TOWER★
118.9 (CTAF) 263.1
HCF APPROACH
126.5 269.4



TAKE-OFF MINIMUMS: Rwy 21, 2400-3

NOTE: Honolulu CERAP radio call is "Honolulu Center".

NOTE: Ridgeline 1.5 NM south to 6 NM southwest, 900′ to 2400′ MSL.

NOTE: Terrain heights to 2297′ MSL occur within 4.2 NM southwest of the airport.

NOTE: This Departure not authorized for Rwy 3, Rwy 17, Rwy 35.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 21:

To V15: Climb runway heading to 550 then climbing left turn, heading 090°, to intercept LIH R-110 (V15), maintain 5000, direct BOOKE INT or as assigned.

To LIH R-148: Climb runway heading to 550, then climbing left turn, heading 120°, to intercept LIH R-148, maintain 3000, direct NAPUA INT or as assigned.

LOC/DME I-LIH 110.9 Chan 46	APP CRS 349°	Rwy ldg 6500 TDZE 96 Apt Elev 153

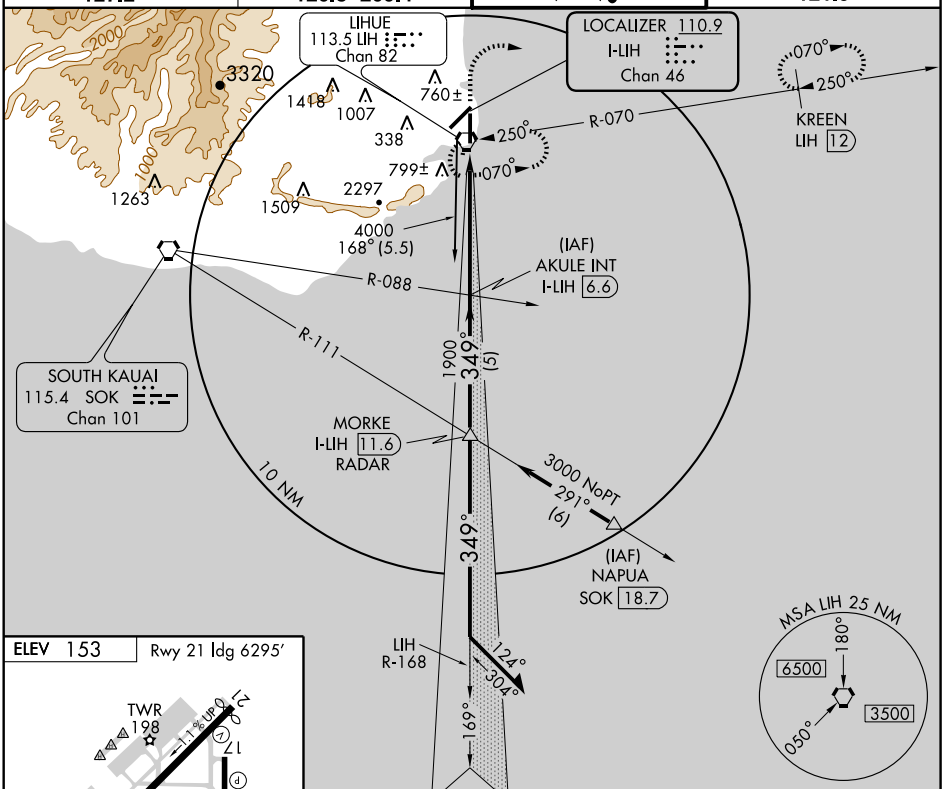
ILS or LOC RWY 35
LIHUE (LIH)(PHLI)

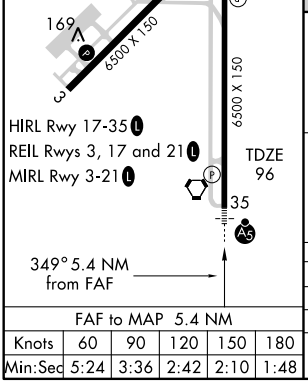
Circling NA west of Rwy 17-35.
Circling NA at night.
For inoperative MALSR, increase S-LOC Cat. D and E visibility to 1 mile.

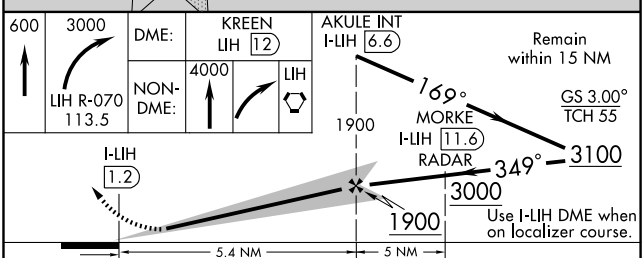
MALSR

MISSED APPROACH: Climb to 600 then climbing right turn to 3000 via LIH R-070. DME aircraft continue to KREEN/LIH 12 DME and hold. Non-DME aircraft continue climb to 4000 then right turn direct LIH VORTAC and hold East, left turn, 250° inbound.

ATIS	HCF APPROACH	LIHUE TOWER ★	GND CON
127.2	126.5 269.4	118.9 (CTAF) 263.1	121.9







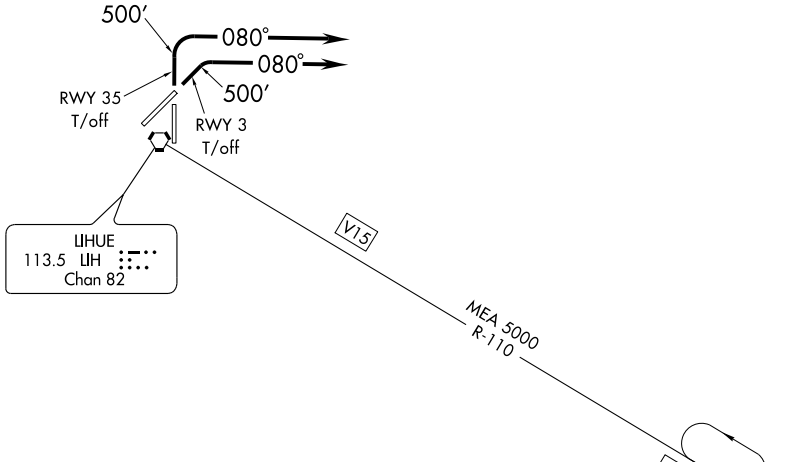
FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

CATEGORY	A	B	C	D	E
S-ILS 35	296-½ 200 (200-½)				
S-LOC 35	400-½ 304 (300-½)			400-¾ 304 (300-¾)	
CIRCLING	520-1 367 (400-1)	620-1 467 (500-1)	620-1½ 467 (500-1½)	720-2 567 (600-2)	NA

PAC, 23 SEP 2010 to 18 NOV 2010

LIHUE FIVE DEPARTURE

ATIS
127.2
GND CON
121.9
LIHUE TOWER★
118.9 (CTAF) 263.1
HCF APPROACH
126.5 269.4



NOTE: DME Required.

NOTE: Honolulu CERAP radio call is "Honolulu Center".

NOTE: Chart not to scale.

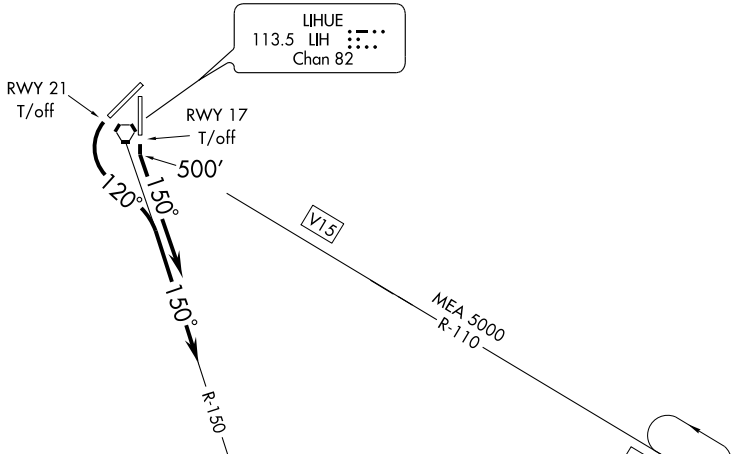
DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 3 and 35: Climb runway heading to 500, then climbing right turn to heading 080°, expect radar vectors to intercept LIH R-110 to BOOKE DME fix. MEA 5000.

LOST COMMUNICATIONS: If not in contact with Honolulu CERAP one minute after departure, maintain SID heading until 10 NM east of LIH VORTAC, then intercept LIH R-110 to BOOKE DME fix. MEA 5000.

RICHE TWO DEPARTURE

ATIS
127.2
GND CON
121.9
LIHUE TOWER★
118.9 (CTAF) 263.1
HCF APPROACH
126.5 269.4



NOTE: DME Required.

NOTE: Honolulu CERAP radio call is "Honolulu Center".

NOTE: Terrain heights to 2297′ occur within 4.5 NM southwest of the airport.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 17: Climb runway heading to 500 feet , then climbing left turn to heading 150° , expect radar vectors to intercept LIH R-110 to BOOKE DME fix. MEA 5000.

TAKE-OFF RUNWAY 21: Immediate climbing left turn to heading 120° until crossing LIH R-150, thence fly heading 150° , expect radar vectors to intercept LIH R-110 to BOOKE DME fix. MEA 5000.

LOST COMMUNICATIONS: If not in contact with Honolulu CERAP one minute after departure, maintain SID heading until 10 NM southeast of LIH VORTAC, then intercept LIH R-110 to BOOKE DME fix. MEA 5000.

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

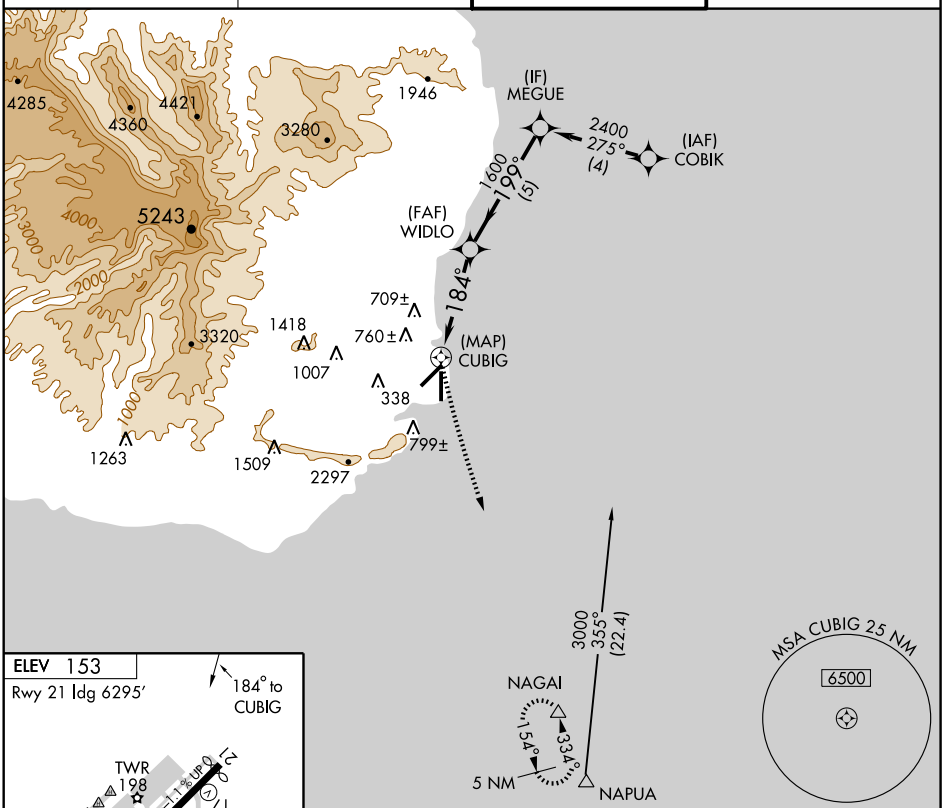
APP CRS	Rwy ldg	6500
184°	TDZE	99
	Apt Elev	153

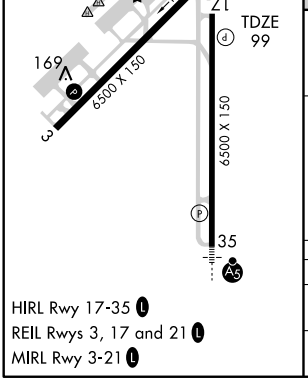
RNAV (GPS) RWY 17
LIHUE (LIH)(PHLI)

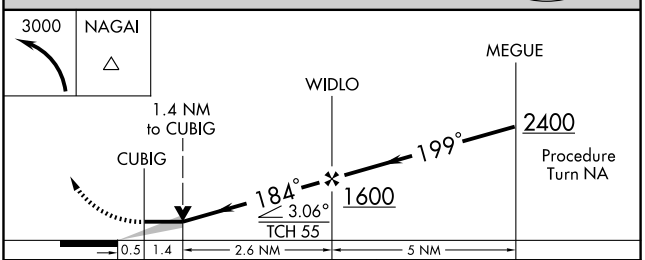
Circling NA between Rwys 3 and 35.
DME/DME RNP-0.3 NA.
Circling NA at night.

MISSED APPROACH: Climbing left turn to 3000 direct NAGAI and hold.

ATIS	HCF APPROACH	LIHUE TOWER★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9







CATEGORY	A	B	C	D
LNAV MDA	740-1 641 (600-1)		740-1¾ 641 (600-1¾)	740-2 641 (600-2)
CIRCLING	740-1 587 (600-1)	1000-1¼ 847 (900-1¼)	1060-2¾ 907 (1000-2¾)	1060-3 907 (1000-3)

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

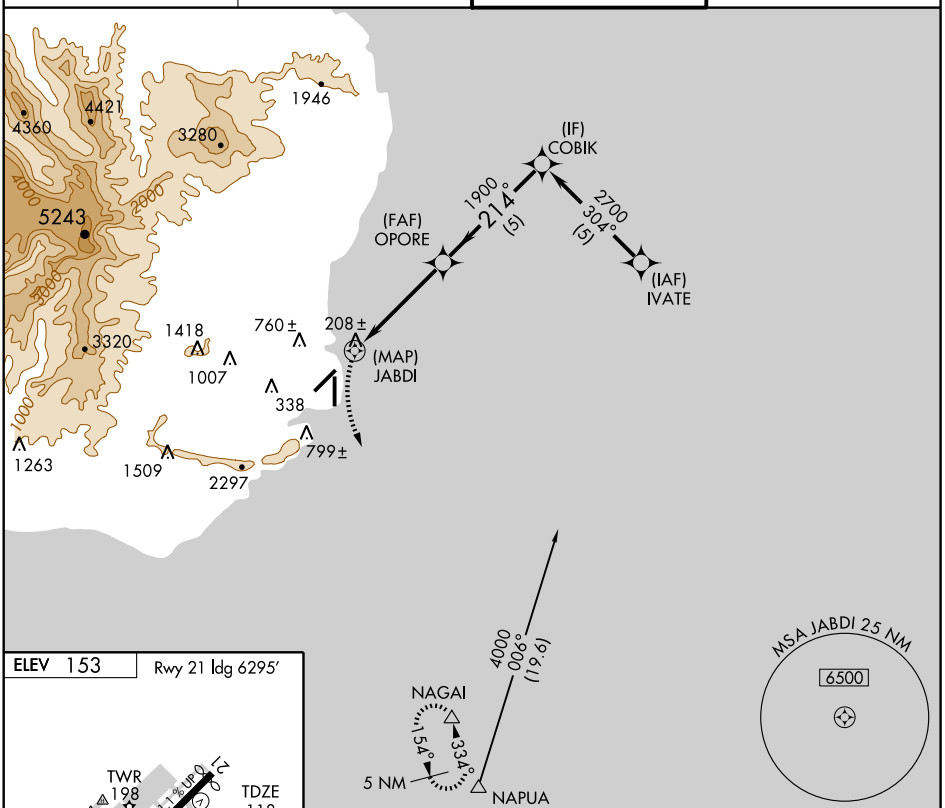
APP CRS	Rwy ldg	6295
214°	TDZE	118
	Apt Elev	153

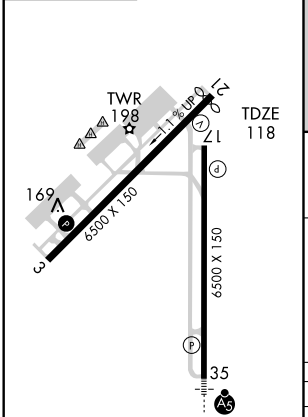
RNAV (GPS) Y RWY 21
LIHUE (LIH)(PHLI)

DME/DME RNP-0.3 NA.
Circling NA between Rwys 3 and 35.
Circling NA at night.

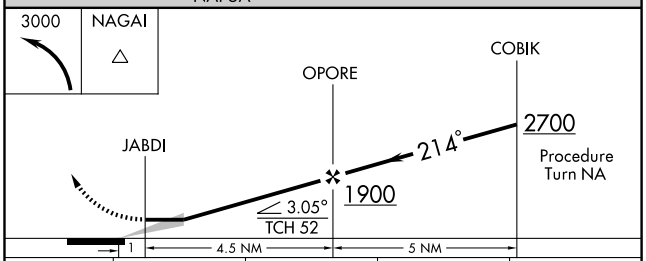
MISSED APPROACH: Climbing left turn to 3000 direct NAGAI and hold.

ATIS	HCF APPROACH	LIHUE TOWER★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9





HIRL Rwy 17-35 L
REIL Rwys 3, 17 and 21 L
MIRL Rwy 3-21 L



CATEGORY	A	B	C	D
LNAV MDA	580-1¼ 462 (500-1¼)			580-1½ 462 (500-1½)
CIRCLING	600-1¼ 447 (500-1¼)	1000-1¼ 847 (900-1¼)	1060-2¾ 907 (1000-2¾)	1060-3 907 (1000-3)

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	6500
349°	TDZE	96
	Apt Elev	153

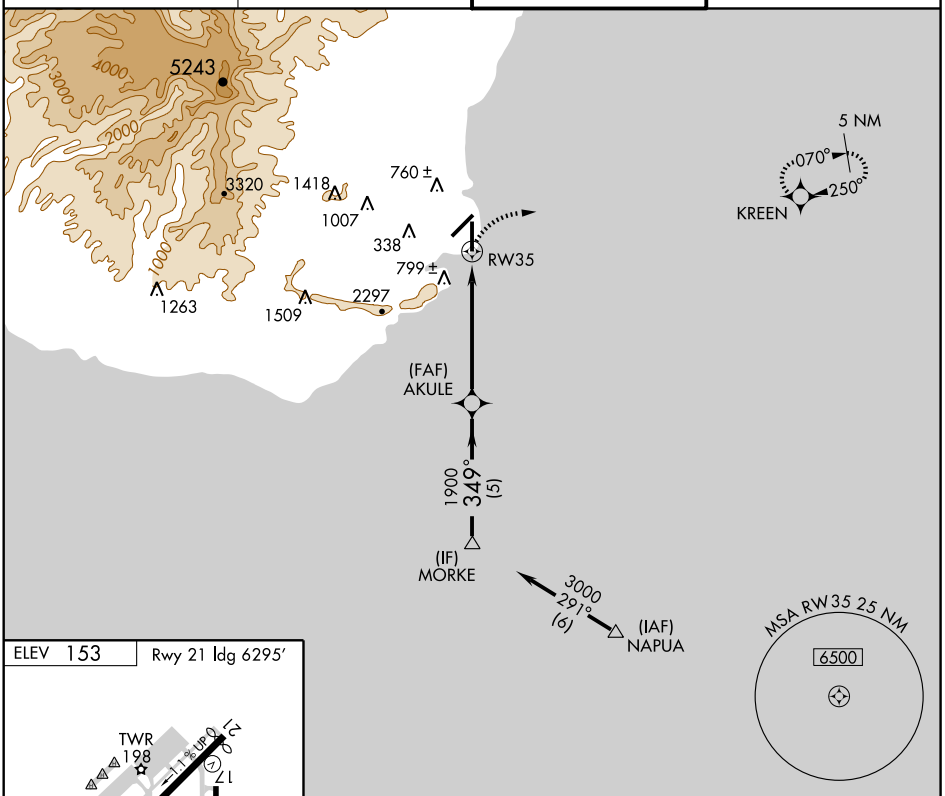
RNAV (GPS) Y RWY 35
LIHUE (LIH)(PHLI)

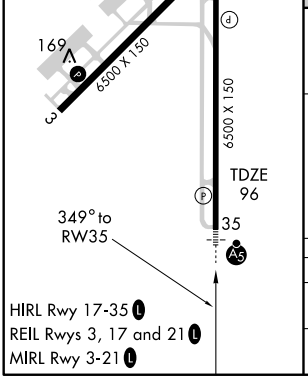
For inoperative MALSR, increase LNAV Cat. A visibility to 1 mile and Cat. E to 3 miles. Circling NA west of Rwy 17-35. Circling NA at night. DME/DME RNP-0.3 NA.

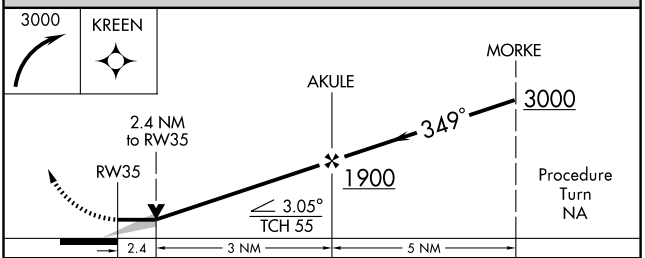
MALSR

MISSED APPROACH: Climbing right turn to 3000 direct KREEN WP and hold.

ATIS	HCF APPROACH	LIHUE TOWER★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9







CATEGORY	A	B	C	D	E
LNAV MDA	920-¾ 824 (800-¾)		920-2 824 (800-2)	920-2¼ 824 (800-2¼)	920-2½ 824 (800-2½)
CIRCLING	920-1 767 (800-1)	920-1¼ 767 (800-1¼)	920-2¼ 767 (800-2¼)	920-2½ 767 (800-2½)	NA

PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	6295
214°	TDZE	118
	Apt Elev	153

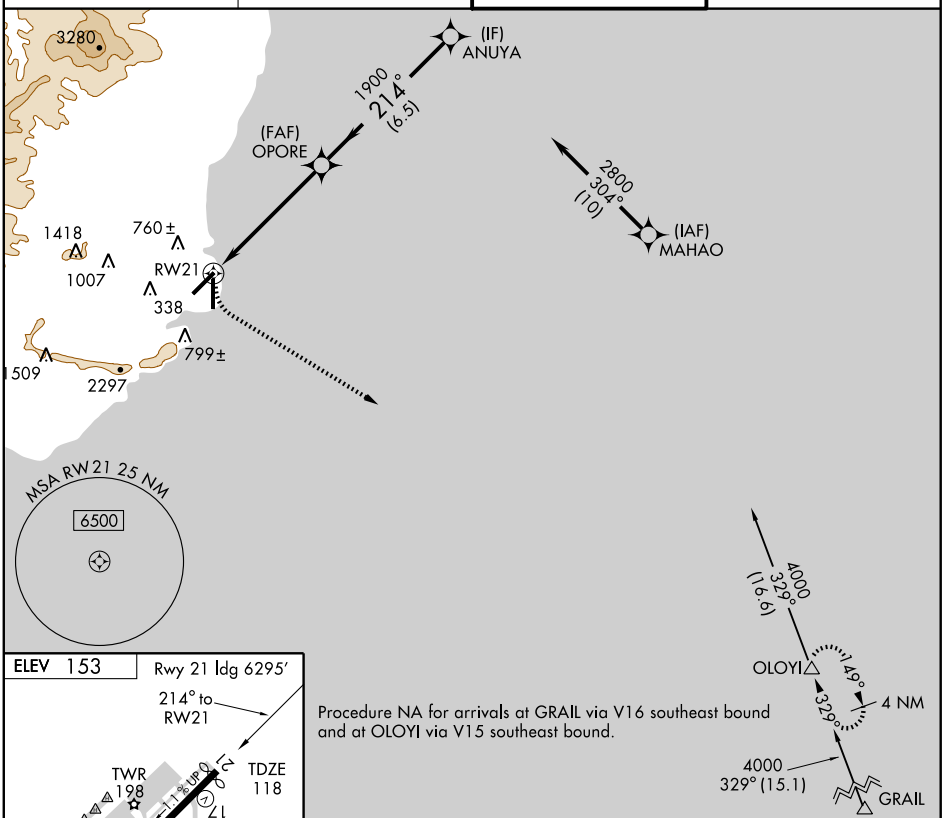
RNAV (RNP) Z RWY 21
LIHUE (LIH)(PHLI)

NA

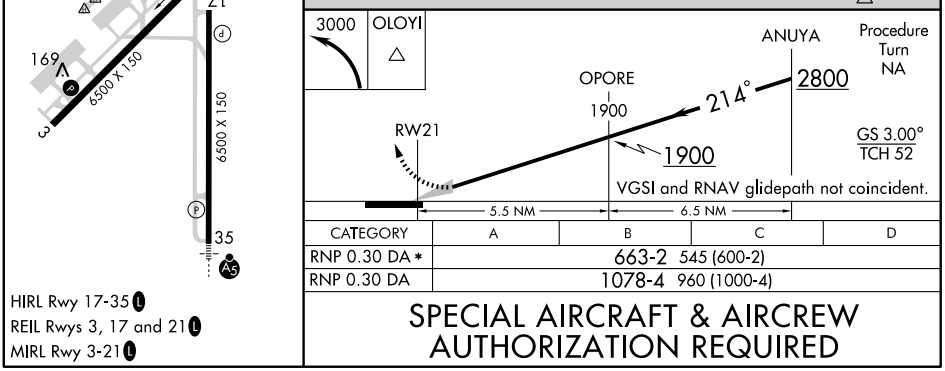
*Missed approach requires minimum climb rate of 350 feet per NM to 2500. For uncompensated Baro-VNAV systems, procedure NA below 14° C (57° F) or above 48° C (119° F). GPS REQUIRED.

MISSED APPROACH: Climbing left turn to 3000 direct OLOYI and hold.

ATIS	HCF APPROACH	LIHUE TOWER*	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9



Procedure NA for arrivals at GRAIL via V16 southeast bound and at OLOYI via V15 southeast bound.



HIRL Rwy 17-35 L
REIL Rwys 3, 17 and 21 L
MIRL Rwy 3-21 L

CATEGORY	A	B	C	D
RNP 0.30 DA *	663-2 545 (600-2)			
RNP 0.30 DA	1078-4 960 (1000-4)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

APP CRS	Rwy ldg	6500
349°	TDZE	96
	Apt Elev	153

RNAV (RNP) Z RWY 35
LIHUE (LIH)(PHLI)

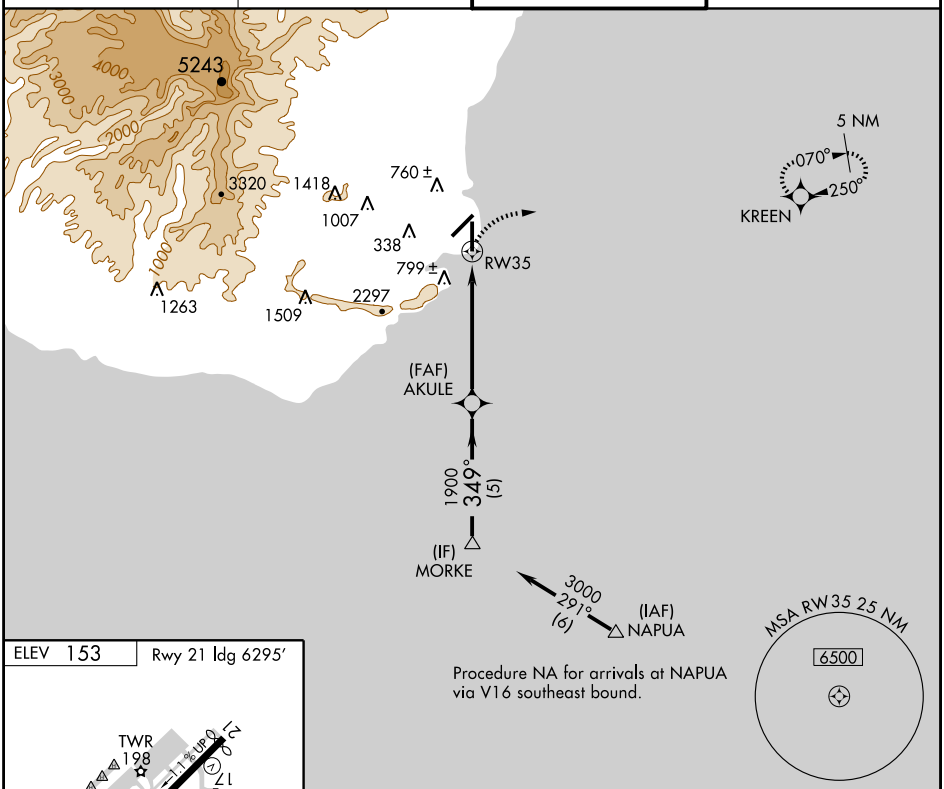
T NA

GPS REQUIRED. For inoperative MALSR, increase RNP 0.30 visibility to 1¾. For uncompensated Baro-VNAV systems, procedure NA below 14° C (57° F) or above 48° C (119° F).

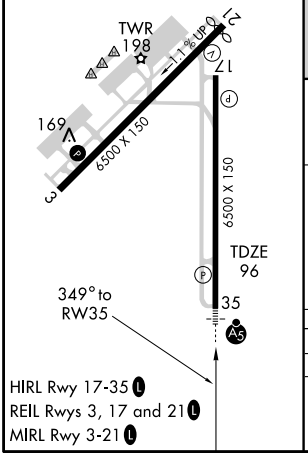
MALSR

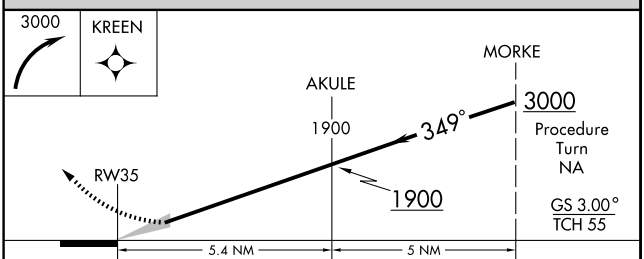
MISSED APPROACH: Climbing right turn to 3000 direct KREEN and hold.

ATIS	HCF APPROACH	LIHUE TOWER★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9



ELEV 153 | Rwy 21 ldg 6295′





CATEGORY	A	B	C	D
RNP 0.30 DA	599-1¼ 503 (500-1¼)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

PAC, 23 SEP 2010 to 18 NOV 2010
PAC, 23 SEP 2010 to 18 NOV 2010

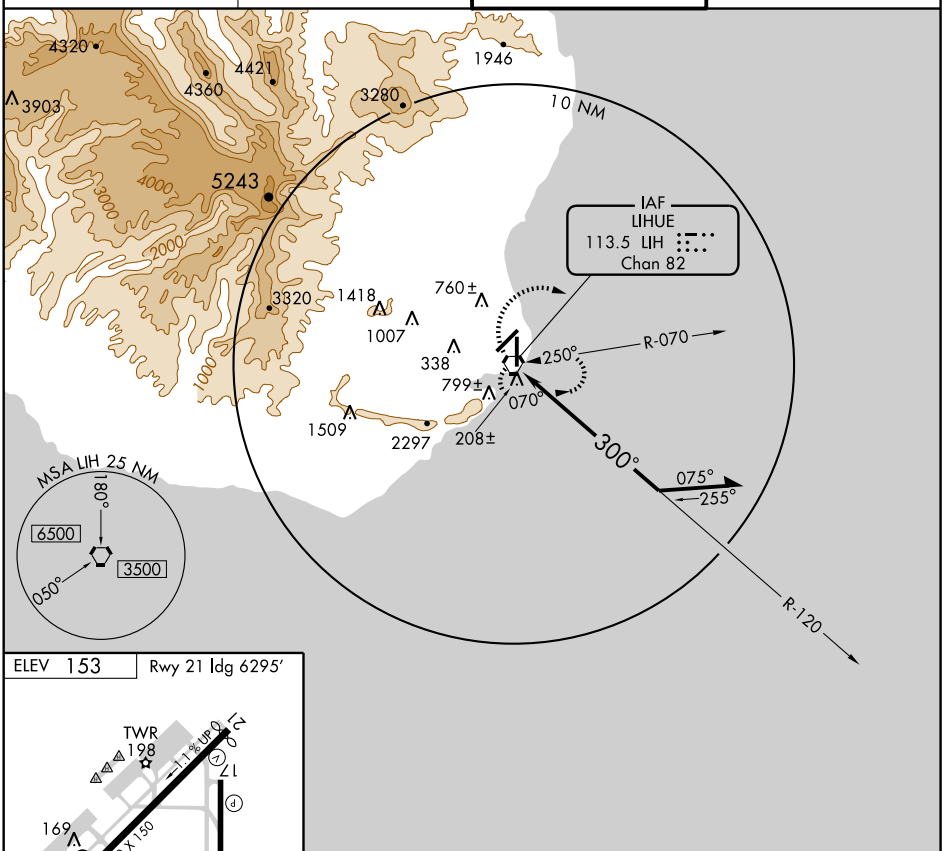
VOR-A
LIHUE (LIH)(PHLI)

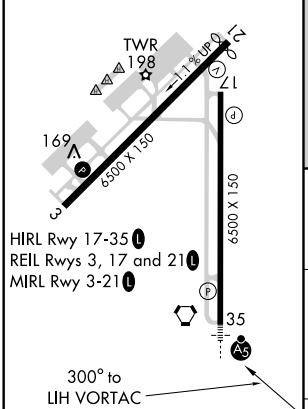
VORTAC LIH 113.5 Chan 82	APP CRS 300°	Rwy ldg N/A TDZE N/A Apt Elev 153

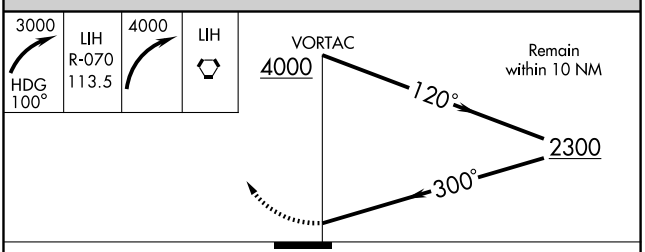
Circling NA west of Rwy 17-35. Procedure NA at night.

MISSED APPROACH: Climbing right turn to 3000 via heading 100° and LIH VORTAC R-070 then climbing right turn to 4000 direct LIH VORTAC and hold.

ATIS	HCF APPROACH	LIHUE TOWER ★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9







Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
CIRCLING	800-1 647 (700-1)		800-1¾ 647 (700-1¾)	800-2 647 (700-2)

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

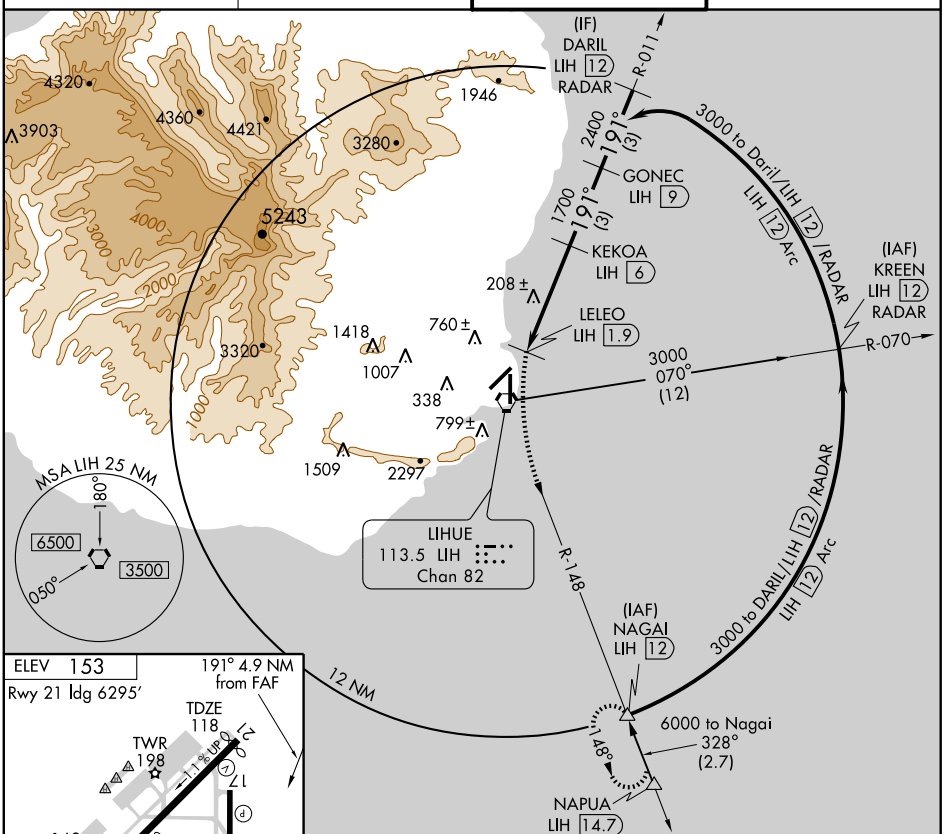
VORTAC LIH	APP CRS	Rwy ldg	6295
113.5	191°	TDZE	118
Chan 82		Apt Elev	153

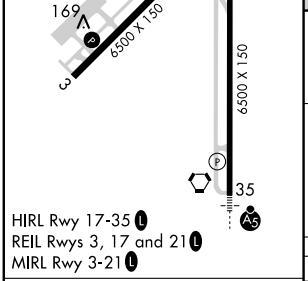
VOR/DME or TACAN RWY 21
LIHUE (LIH)(PHLI)

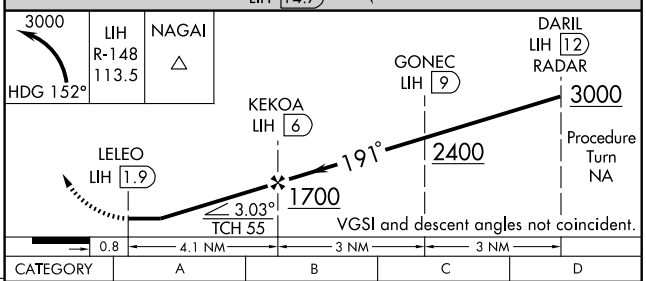
Circling NA west of Rwy 17-35.
Circling NA at night.

MISSED APPROACH: Climbing left turn to 3000 via heading 152° and LIH VORTAC R-148 to NAGAI/12 DME and hold.

ATIS	HCF APPROACH	LIHUE TOWER ★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9







Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
S-21	520-1 402 (400-1)		520-1¼ 402 (400-1¼)	
CIRCLING	520-1 367 (400-1)	620-1 467 (500-1)	620-1½ 467 (500-1½)	720-2 567 (600-2)

PAC, 23 SEP 2010 to 18 NOV 2010

PAC, 23 SEP 2010 to 18 NOV 2010

VORTAC LIH	APP CRS	Rwy ldg	6500
113.5	328°	TDZE	96
Chan 82		Apt Elev	153

VOR or TACAN RWY 35

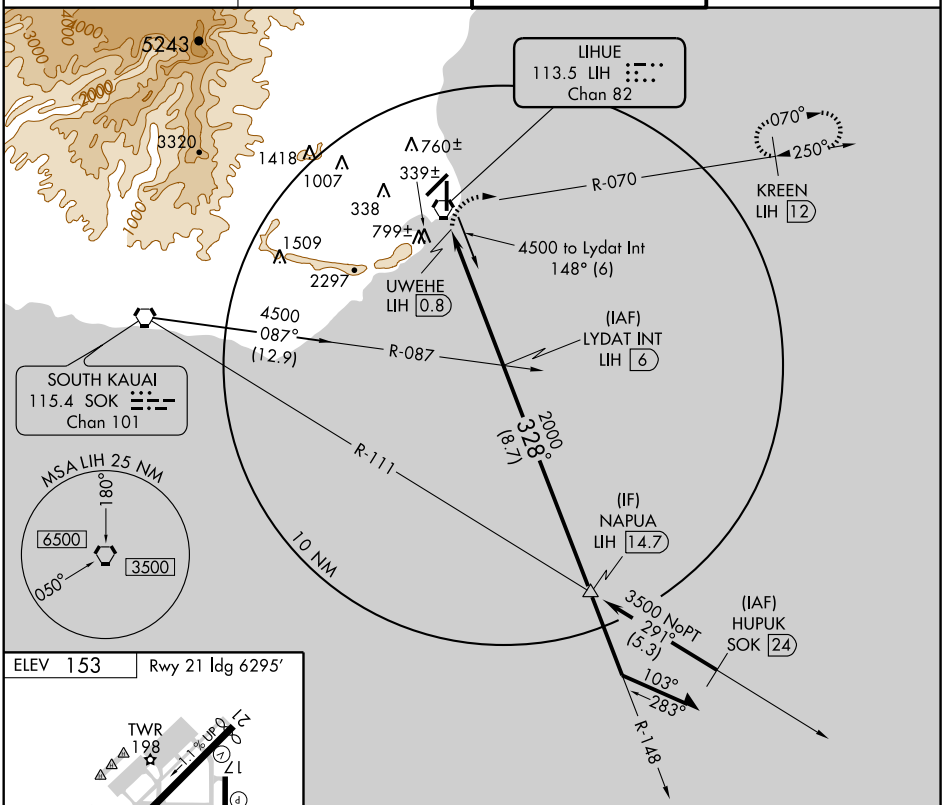
LIHUE (LIH)(PHLI)

Circling NA at night. DME or RADAR REQUIRED
Inoperative table does not apply.
Circling NA west of Rwy 17-35.

MALSR

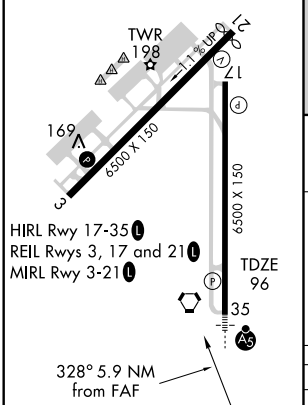
MISSED APPROACH: Climbing right turn to 3000 via heading 100° and LIH VORTAC R-070 to KREEN/12 DME/RADAR and hold.

ATIS	HONOLULU CENTER	LIHUE TOWER ★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9

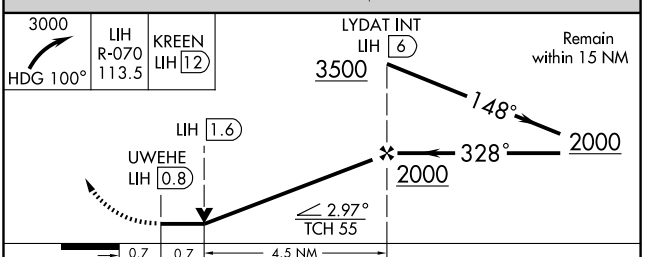


PAC, 23 SEP 2010 to 18 NOV 2010

ELEV 153 | Rwy 21 ldg 6295′



Knots	60	90	120	150	180
Min:Sec					



CATEGORY	A	B	C	D	E
S-35	600-1 504 (500-1)		600-1½ 504 (500-1½)		600-1¾ 504 (500-1¾)
CIRCLING	600-1 447 (500-1)	620-1 467 (500-1)	620-1½ 467 (500-1½)	720-2 567 (600-2)	